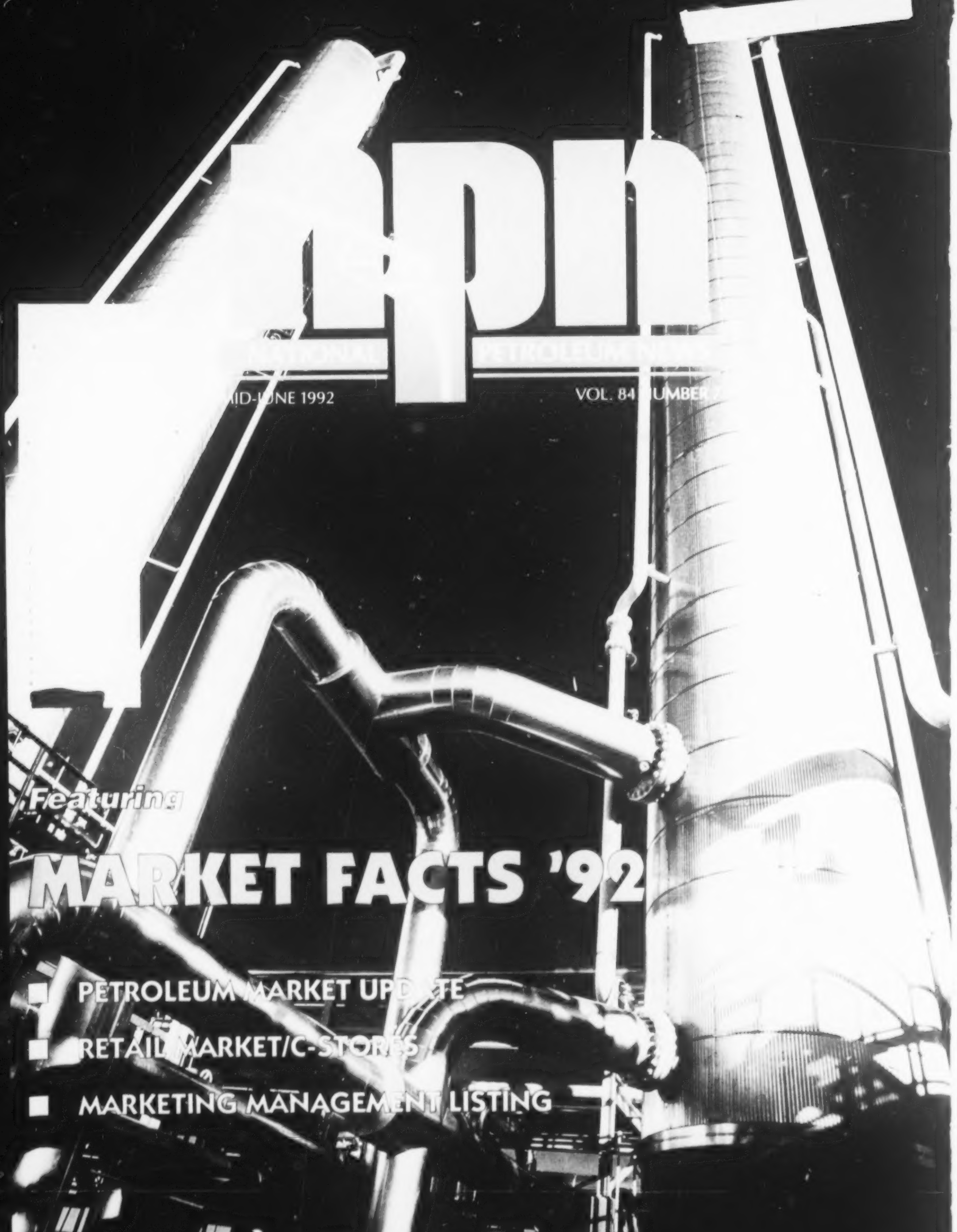

npn
NATIONAL PETROLEUM NEWS
MID-JUNE 1992
VOL. 84 NUMBER 7

Featuring

MARKET FACTS '92

- PETROLEUM MARKET UPDATE
- RETAIL MARKET/C-STORES
- MARKETING MANAGEMENT LISTING

NPN
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Established in 1909

VOL. 84 **NO. 7**

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Editor's Viewpoint

A few months ago, we introduced a new logo and cover design for *National Petroleum News.* At the time, our new publisher, Arleigh Hupp, remarked: "Having served the information needs of petroleum marketers for over eight decades, we have changed our cover design with caution and a certain celebration. Caution because of *NPN's* strong traditions, and celebration in being able to move ahead with a changing industry and to reaffirm our mission of producing the most professional editorial product, both in appearance and for news and informational value.

"Most of all," Arleigh said, "the new design reflects our perceptions of a fast-changing petroleum marketplace," and especially the exciting new images and designs of petroleum facilities that are emerging throughout the country.

In other words, just as petroleum marketers everywhere are improving and modernizing their facilities, we at *NPN* are striving to sharpen up our magazine's appearance. But there's a lot more than a cosmetic improvement involved here. For this special mid-June issue of *NPN*, we have introduced some changes in format that we believe will make the information presented better organized and easier to read—and especially to make data you're looking for easier to locate.

I'm sure you've noticed that we have also modified our cover treatment on this issue, in keeping with these other changes. It is our belief that the headline: "Market Facts '92" embodies the concept of this issue with greater precision. That concept is to present a wide-ranging body of market facts and industry data that will be useful to marketers as a reference and a guide to planning in the year ahead.

Several key members of our *NPN* staff have done an outstanding job in designing and implementing the changes and improvements in this issue. Julie McDonough, director of editorial production, Marilyn Roberts, corporate promotions design director, and Maryann Keblusek, special projects editor, deserve special mention for the cover design, improved graphics treatment and color coordination of the various editorial sections. And copy editor Greg Lindenberg, ably assisted by Arlene Clatts and Caroline Ward, has done a great job coordinating the mass of facts and figures presented here.

Change is necessary in today's scheme of things. But there is one thing that will never change, and that is *NPN's* commitment to giving you and all of our readers the most complete compilation of industry facts available, year in and year out.

—Don Smith

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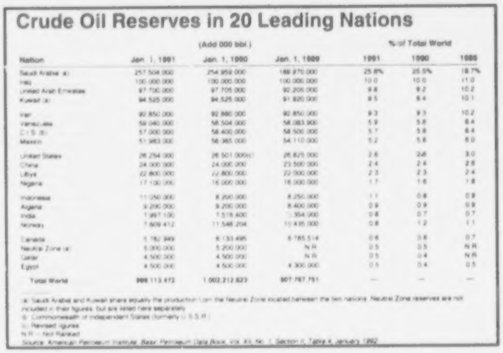
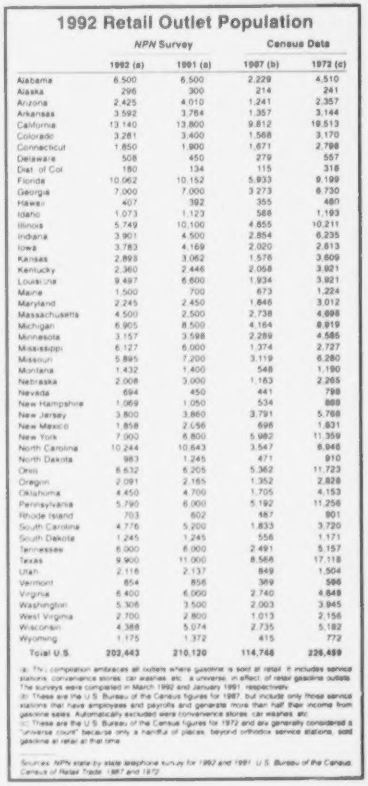


Crude Oil Reserves in 20 Leading Nations

Nation	Jan. 1, 1991	Jan. 1, 1990	Jan. 1, 1989	1991	1990	1989
	(Add 000 bbl.)			% of Total World		
Saudi Arabia (a)	257,504,000	254,959,000	169,970,000	25.8%	25.5%	18.7%
Iraq	100,000,000	100,000,000	100,000,000	10.0	10.0	11.0
United Arab Emirates	97,700,000	97,705,000	92,205,000	9.8	9.2	10.2
Kuwait (a)	94,525,000	94,525,000	91,920,000	9.5	9.4	10.1
Iran	92,850,000	92,860,000	92,850,000	9.3	9.3	10.2
Venezuela	59,040,000	58,504,000	58,083,900	5.9	5.8	6.4
C.I.S. (b)	57,000,000	58,400,000	58,500,000	5.7	5.8	6.4
Mexico	51,983,000	56,365,000	54,110,000	5.2	5.6	6.0
United States	26,254,000	26,501,000(c)	26,825,000	2.6	2.6	3.0
China	24,000,000	24,000,000	23,500,000	2.4	2.4	2.6
Libya	22,800,000	22,800,000	22,000,000	2.3	2.3	2.4
Nigeria	17,100,000	16,000,000	16,000,000	1.7	1.6	1.8
Indonesia	11,050,000	8,200,000	8,250,000	1.1	0.8	0.9
Algeria	9,200,000	9,200,000	8,400,000	0.9	0.9	0.9
India	7,997,100	7,518,400	7,354,000	0.8	0.7	0.7
Norway	7,609,412	11,546,204	10,435,000	0.8	1.2	1.1
Canada	5,782,949	6,133,495	6,785,514	0.6	0.6	0.7
Neutral Zone (a)	5,000,000	5,200,000	N.R.	0.5	0.5	N.R.
Qatar	4,500,000	4,500,000	N.R.	0.5	0.4	N.R.
Egypt	4,500,000	4,500,000	4,300,000	0.5	0.4	0.5
Total World	999,113,672	1,002,212,823	907,787,751	—	—	—

(a) Saudi Arabia and Kuwait share equally the production from the Neutral Zone located between the two nations. Neutral Zone reserves are not included in their figures, but are listed here separately.
(b) Commonwealth of Independent States (formerly U.S.S.R.)
(c) Revised figures
N.R. — Not Ranked
Source: American Petroleum Institute, *Basic Petroleum Data Book*, Vol. XII, No. 1, Section II, *Table 4, January 1992*



1992 Retail Outlet Population

	NPN Survey		Census Data	
	1992 (a)	1991 (a)	1987 (b)	1972 (c)
Alabama	6,500	6,500	2,229	4,510
Alaska	296	300	214	241
Arizona	2,425	4,010	1,241	2,357
Arkansas	3,592	3,764	1,357	3,144
California	13,140	13,800	9,812	19,513
Colorado	3,281	3,400	1,568	3,170
Connecticut	1,850	1,900	1,671	2,798
Delaware	508	450	279	557
Dist. of Col.	180	134	115	318
Florida	10,062	10,152	5,933	9,199
Georgia	7,000	7,000	3,273	6,730
Hawaii	407	392	355	480
Idaho	1,073	1,123	588	1,193
Illinois	5,749	10,100	4,655	10,211
Indiana	3,901	4,500	2,854	6,235
Iowa	3,783	4,169	2,020	2,613
Kansas	2,893	3,062	1,576	3,609
Kentucky	2,360	2,446	2,058	3,921
Louisiana	9,497	6,600	1,934	3,921
Maine	1,500	700	673	1,224
Maryland	2,245	2,450	1,846	3,012
Massachusetts	4,500	2,500	2,738	4,698
Michigan	6,905	8,500	4,164	8,919
Minnesota	3,157	3,598	2,289	4,585
Mississippi	6,127	6,000	1,374	2,727
Missouri	5,895	7,200	3,119	6,280
Montana	1,432	1,400	548	1,190
Nebraska	2,008	3,000	1,163	2,265
Nevada	694	450	441	798
New Hampshire	1,069	1,050	534	888
New Jersey	3,800	3,860	3,791	5,768
New Mexico	1,858	2,056	696	1,631
New York	7,000	6,800	5,982	11,359
North Carolina	10,244	10,643	3,547	6,946
North Dakota	983	1,245	471	910
Ohio	6,632	6,205	5,362	11,723
Oregon	2,091	2,165	1,352	2,828
Oklahoma	4,450	4,700	1,705	4,153
Pennsylvania	5,790	6,000	5,192	11,256
Rhode Island	703	602	487	901
South Carolina	4,776	5,200	1,833	3,720
South Dakota	1,245	1,245	556	1,171
Tennessee	6,000	6,000	2,491	5,157
Texas	9,900	11,000	8,568	17,118
Utah	2,116	2,137	849	1,504
Vermont	854	856	369	596
Virginia	6,400	6,000	2,740	4,848
Washington	5,306	3,500	2,003	3,945
West Virginia	2,700	2,800	1,013	2,156
Wisconsin	4,388	5,074	2,735	5,182
Wyoming	1,175	1,372	415	772
Total U.S.	**202,443**	**210,120**	**114,746**	**226,459**

(a) This compilation embraces all outlets where gasoline is sold at retail. It includes service stations, convenience stores, car washes, etc., a universe, in effect, of retail gasoline outlets. The surveys were completed in March 1992 and January 1991, respectively.
(b) These are the U.S. Bureau of the Census figures for 1987, but include only those service stations that have employees and payrolls and generate more than half their income from gasoline sales. Automatically excluded were convenience stores, car washes, etc.
(c) These are the U.S. Bureau of the Census figures for 1972 and are generally considered a "universe count" because only a handful of places, beyond orthodox service stations, sold gasoline at retail at that time.

Sources: NPN state-by-state telephone survey for 1992 and 1991; U.S. Bureau of the Census, Census of Retail Trade, 1987 and 1972.

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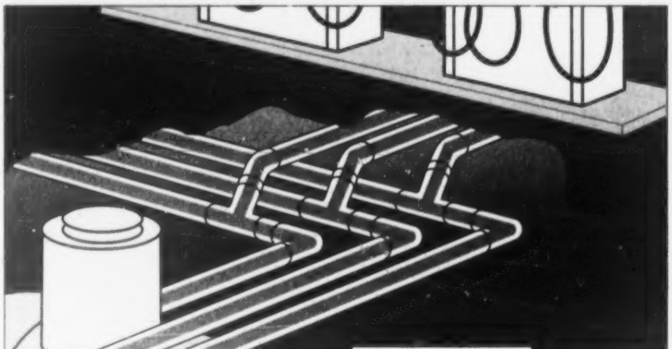

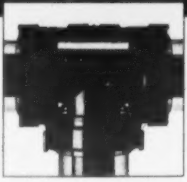

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Half of Oil Companies Increase Asset Values; Half Are Down

Approximately half (a total of 12) of the 23 U.S. oil companies with assets of $1-billion or more improved their corporate values in 1991. The other half (a total of 11) experienced declines in asset values for the year. Seven of the companies achieved new asset peaks in 1991.

All in all, it was a relatively flat year in terms of changes in asset valuation for the major companies. In 1990, by comparison, 20 companies increased assets over the previous year, and some of the increases were sizable. In 1991, most changes, up and down, were relatively moderate.

One exception was Citgo, which bettered its 1990 asset base by 40% last year and gave further evidence that the company is on a fast growth track. The previous year, Citgo racked up a 47% increase in assets.

The companies which reached new asset peaks in 1991 included Mobil, Arco, Coastal, Ashland, Fina, Citgo and Diamond Shamrock. It's interesting to note that five of the seven firms with record assets are second-tier oil companies or independent refiner-marketers.

Exxon, the nation's largest oil company, broke a string of seven consecutive years of asset improvements in 1991. However, the decline in assets amounted to only $147-million, which for a company of Exxon's dimensions, has to be considered inconsequential.

While many oil companies have shown steady asset growth over the years, several others have experienced rather drastic declines from earlier peak years. Included in this group are Texaco, down 30% from its all time high of $38-billion in 1984, Sun, off 45% from 1985, Phillips, down 32%, and Murphy, down 25%.

Exxon remains the No. 2 company in the Fortune 500 sales ranking, followed by Mobile (No. 5) and Amoco (No. 10). Citgo moved into the 500 elite back in 1991, ranking 54th.

Ranking the Top 23 Marketing Companies

	Total Assets		Gross Revenues		Net Income		Sales Ranking Among Top 500	
Company	**1991**	**1990**	**1991**	**1990**	**1991**	**1990**	**1991**	**1990**
Exxon	1	1	1	1	1	1	2	2
Mobil	2	2	2	2	2	5	5	5
Chevron	3	3	3	4	5	3	10	10
Amoco	4	4	5	5	3	6	14	12
Shell	5	5	6	6	17	10	15	14
Texaco	6	6	4	3	4	7	9	8
Arco	7	7	7	7	7	4	23	21
BP America	8	8	8	8	21	2	NR	NR
Conoco	9	10	9	9	6	9	NR	NR
Phillips	10	9	11	11	8	11	32	27
Marathon	11	11	10	10	22	8	NR	NR
Unocal	12	12	13	13	14	13	48	45
Coastal	13	13	14	14	12	16	49	51
Amerada Hess	14	14	17	17	13	12	80	68
Sun	15	15	12	12	23	15	44	37
Pennzoil	16	16	20	20	18	21	168	192
Ashland	17	17	15	15	9	17	52	56
Kerr-McGee	18	18	19	18	11	18	142	129
FINA	19	19	18	19	15	19	141	124
Citgo	20	20	16	16	10	14	54	NR
Murphy	21	21	23	21	19	20	223	210
Diamond Shamrock	22	23	22	23	16	22	172	166
Total Petroleum	23	22	21	22	20	23	176	NR

NR = Not ranked in Fortune 500.
Source: Oil company annual reports, other company data; Fortune magazine.

Major Oil Company 1991 Annual Reports

Financial

	Gross Sales– Operating Revenues (Add 000,000)			Net Income Add (000,000)			Net Income % of Gross Sales	
Company	1991	1990	% Change	1991	1990	% Change	1991	1990
Amerada Hess	$6,416	$7,081	(9.4)	$84	$483	(82.6)	1.3	6.8
Amoco	25,325	28,010	(9.6)	1484(a)	1,913	(22.4)	5.9	6.8
Arco	18,922	19,896	(4.9)	709	2,011	(64.7)	3.7	10.1
Ashland	9,246	8,977	3.0	145	182	(20.3)	1.6	2
BP America	16,797	18,620	(8.8)	(53)	2,631	(102.0)	0.3	14.1
Chevron	40,121	41,540	(3.4)	1,293	2,157	(40.1)	3.2	5.2
Citgo(b)	8,954	9,924	(9.8)	136	99	N/A	1.5	N/A
Coastal	9,549	9,614	(0.7)	96	226	(57.5)	1	2.4
Conoco (Du Pont)	15,851	15,976	(0.8)	814	1,078	(24.5)	5.1	6.7
Diamond Shamrock	2,576	2,708	(4.9)	37	77	(52.1)	1.4	2.9
Exxon	116,492	116,940	(0.4)	5,600	5,010	11.8	4.8	4.3
Fina	3,336	3,978	(16.1)	42	126	(66.7)	1.3	3.2
Getty (c)	1,154	1,263	(8.6)	(12)	(10)	(26.3)	1.07	0.76
Kerr McGee	3,274	3,683	(11.1)	102	150	(32.0)	3.1	4.1
Marathon (USX)	13,975	14,616	(4.4)	(71)	508	(113.8)	N/A	3.5
Mobil	63,227	64,472	(1.9)	1,920	1,929	(0.5)	3	3
Murphy (d)	1,601	1,867	(14.2)	(7)	137	(105.2)	0.4	7.3
Phillips	13,259	13,975	(5.1)	258	779	(66.9)	1.9	5.6
Shell	22,411	24,790	(9.6)	2	1,036	(100.0)	0.1	4.2
Sun	10,184	11,543	(11.8)	(387)	229	(26.9)	3.8	2
Texaco	38,322	41,822	(8.4)	1,294	1,450	(10.8)	3.4	3.5
Total Petroleum	2,486	3,683	(6.5)	(11.5)	42	(127.4)	0.5	1.6
Unocal	9,685	10,645	(9.0)	73	401	(81.8)	0.75	3.77

Operating

	Net Crude Production b/d				Refinery Crude Runs b/d				Domestic Refined Product Sales	
	Domestic		Foreign		Domestic		Foreign			
Company	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990
Amerada Hess	66,063	62,434	119,382	98,347	320,000	383,000	—	—	413,000	428,000
Amoco	342,000	361,000	403,000	421,000	908,000	903,000	—	32,000	1,052,000	1,014,000
Arco	668,500	638,300	75,700	67,100	407,600	401,100	—	—	466,400	444,000
Ashland	1,460	1,843	32,390	40,018	326,461	334,579	—	187,158	451,041	455,771
BP America	738,000	737,000	618,000	585,000	701,000	699,000	1,016,000	1,080,000	891,000	925,000
Chevron	958,000	935,000	—	381,000	1,795,000	1,900,000	—	155,000	2,471,000	2,482,000
Citgo	—	—	—	—	377,000	269,000	—	218,000	882,000	633,000
Coastal	11,307	10,285	—	—	345,000	255,000	—	—	738,000	779,800
Conoco (Du Pont)	113,000	111,000	254,000	279,000	386,000	382,000	234,000	238,000	503,000	490,000
Diamond Shamrock	—	—	—	—	140,244	144,765	19,759	16,765	188,609	184,557
Exxon	619,000	640,000	980,000	962,000	937,000	868,000	2,396,000	2,408,000	1,210,000	1,109,000
Fina	21,044	22,496	—	—	175,000	175,000	—	—	240,254	292,261
Getty	—	—	—	—	—	—	—	—	—	—
Kerr McGee	23,000	20,700	27,400	29,700	129,500	141,800	—	—	220,700	215,300
Marathon (USX)	126,800	126.100	68,000	71,000	542,300	567,200	—	—	709,000	689,000
Mobil	—	324,000	—	455,000	764,000	729,000	1,210,000	1,184,000	922,000	903,000
Murphy	13,326	13,449	20,169	25,589	101,975	101,312	25,969	22,628	104,011	106,568
Phillips	94,000	95,000	121,000	123,000	274,000	297,000	—	—	534,000	524,000
Shell	456,000	461,000	81,000	80,000	1,002	965	—	—	1,195,000	1,188,000
Sun	—	—	57,500	64,700	531,100	554,300	72,100	66,900	629,100	640,500
Texaco	456,000	458,000	334,000	352,000	661,000	679,000	713,000	737,000	869,000	858,000
Total Petroleum	—	—	—	—	195,900	194,400	—	—	222,400	215,800
Unocal	169,000	153,000	105,000	101,000	263,000	260,000	—	—	436,000(e)	443,000(e)

(a) Includes $311-million cumulative benefits of change in accounting for income taxes.
(b) Champlain Refining & Chemicals, Inc. consolidated into Citgo January 1, 1991; 1990 figures adjusted or not available.
(c) Year ending January 31.
(d) Income from continuing operations before minority interest and extra ordinary.
(e) Includes 50% equity portion of UNO-VEN.
Source: Annual Reports of oil companies and other company data.

Oil Company Rankings by Marketers With

(000,000)

	Assets					
Company	**1991**	**1990**	**1989**	**1988**	**1987**	**1986**
Exxon	$87,560	$87,707	$83,219	$74,293	$74,042	$69,484
Mobil	42,187	41,665	39,080	38,820	40,272	39,412
Chevron	34,636	35,089	33,884	33,968	34,101	34,853
Amoco	30,510	32,209	30,430	29,919	25,122	27,706
Shell	27,998	28,496	27,559	27,169	17,571	26,214
Texaco	26,182	25,975	25,636	26,337	33,773	34,940
Arco	24,492	23,864	22,161	25,514	22,890	21,604
BP America	22,288	21,087	18,420	22,452	22,807	20,169
Conoco	12,140	11,640	10,392	9,745	9,146	9,073
Phillips	11,473	12,130	11,256	11,968	12,111	12,403
Marathon	11,644	11,931	11,529	8,966	9,091	11,022
Unocal	9,836	9,762	9,257	9,508	10,062	10,246
Coastal	9,487	9,282	8,899(a)	7,865	7,989(a)	7,777(a)
Amerada Hess	8,841	9,057	6,867	5,372	5,305	4,914
Sun	7,143	7,969	8,699	8,616	12,580	12,396
Pennzoil	5,231	5,362	4,990(a)	4,880	2,805	3,369
Ashland	5,449	5,118	4,882(a)	4,254	4,074	3,805
Kerr-McGee	3,421	3,473	3,236	3,123	3,132	3,090
Fina	2,861	2,846	2,505	2,356	1,836	1,777
Citgo	3,262	2,334	1,587	1,343	1,191	1,209
Murphy	2,175	2,127	2,750	2,068	2,067	1,980
Diamond Shamrock	1,222	1,134	1,027	843	N/A	N/A
Total Petroleum	1,040	1,151	1,250	N/A	N/A	N/A

(a) Revised.

Source: Oil company annual reports and other company data.

Quarterly & Full-Year Earnings, 1991 vs. 1990

(000,000)

Company	1 Q 1991	2Q 1991	3 Q 1991	4Q 1991	Full-Yr. 1991	Full-Yr. 1990	% Change
Exxon	$2,240.0	$1,125.0	$1,115.0	$1,120.0	$5,600.0	$5,010.0	11.85%
Mobil	710.0	445.0	365.0	401.0	1,921.0	1,929.0	(0.4)
Chevron	557.0	384.0	313.0	39.0	1,293.0	2,157.0	(0.4)
Amoco	803.0	238.0	290.0	153.0	1,484.0	1,913.0	(22.4)
Shell	125.0	(68.0)	(14.0)	23.0	20.0	1,036.0	(98.1)
Texaco	415.0	269.0	286.0	324.0	1,294.0	1,450.0	(10.6)
BP America	18.0	426.0	N/A	N/A	N/A	N/A	N/A
Arco	351.0	246.0	(156.0)	268.0	709.0	2,011.1	(64.7)
Phillips	107.0(a)	16.0	56.0	79.0	258.0	1,081.0	(66.9)
Conoco	322.0	229.0	209.0	54.0	814.0	1,078.0	(24.5)
Unocal	75.0	5.0	9.0	(16.0)	73.0	401.0	(81.8)
Marathon	71.0	64.0	23.0	(148.0)	358.0	1,081.0	(66.9)
Sun	41.0	43.0	(436.0)	(35.0)	(387.0)	229.0	—
Coastal	54.3	26.2	3.4	12.4	96.3	225.6	(57.3)
Amerada Hess	75.7	67.7	(7.5)	(51.6)	84.3	482.7	(82.5)
Pennzoil	(27.7)	12.2	32.1	4.4	21.0	93.8	(77.6)
Ashland*	26.6	66.7	62.5	29.0	N/A	N/A	N/A
Kerr-McGee	29.7	10.3	26.8	34.8	101.6	150.2	(32.8)
Fina	8.3	4.2	7.7	21.8	42.0	125.5	(66.6)
Murphy	25.6	(105.1)	43.6	24.7	(11.2)	113.9	—
Citgo	41.0	64.0	66.0	n/a?	332.8	327.8	1.5
Diamond Shamrock	4.3	17.7	17.4	(2.3)	37.1	77.5	(52.1)
Total Petroleum	(13.3)	6.6	3.3	(10.7)	(9.3)	31.2	—

Source: Oil company annual reports and other company data.

Assets of $1-Billion or More

% Change				Ranking by Year				
'91 vs. '90	'90 vs. '89	'89 vs. '88	'88 vs. '87	1991	1990	1989	1988	1987
(0.2)%	5.4%	12.0%	0.3%	1	1	1	1	1
1.3	6.6	0.7	(3.6)	2	2	2	2	2
(1.3)	3.6	0.1	(0.4)	3	3	3	3	3
(5.2)	5.8	1.7	19.1	4	4	4	4	6
(1.7)	3.3	1.6	(1.5)	5	5	5	5	5
0.8	1.3	2.7	(22.0	6	6	6	6	4
2.6	7.7	0.4	(6.0)	7	7	7	7	7
5.7	17.8	3.0	1.6	8	8	8	8	8
4.3	12.0	6.2	6.5	9	10	10	10	13
5.4	7.8	5.9	(1.2)	10	9	9	9	11
2.4	(1.7)	3.1	(1.4)	11	11	12	12	14
0.8	5.4	(2.0)	(5.5)	12	12	11	11	12
2.2	5.2	11.4	(1.6)	13	13	13	14	15
(2.4)	31.9	27.8	1.3	14	14	15	15	16
(10.4)	3.5	1.0	(31.5)	15	15	14	13	10
(2.4)	7.8	N/A	59.7	16	16	16	16	19
6.5	12.3	4.8	4.4	17	17	17	17	17
(1.5)	7.3	6.7	(0.3)	18	18	18	18	18
0.5	13.6	6.3	28.3	19	19	20	19	21
39.8	47.1	18.2	12.8	20	20	21	21	22
2.3	(22.3)	33.0	0.0	21	21	19	20	20
7.8	10.4	21.8	N/A	22	23	23	22	—
9.6	(7.2)	N/A	N/A	23	22	22	23	—

Downstream Earnings, 1991— 1990

(000,000)

Company	1 Q 1991	2Q 1991	3 Q 1991	4Q 1991	Full-Yr. 1991	Full-Yr. 1990	% Change
Exxon Total	$1,353.0	$532.0	$410.0	$261.0	$2,556.0	$1,315.0	94.0%
Domestic	256.0	113.0	98.0	47.0	514.0	78.0	559.0
Foreign	1,097.0	419.0	312.0	214.0	2,042.0	1,237.0	65.0
Mobil Total	442.0	279.0	173.0	37.0	931.0	633.0	47.0
Domestic	100.0	65.0	40.0	(87.0)	118.0	91.0	30.0
Foreign	342.0	214.0	133.0	124.0	813.0	542.0	50.0
Chevron Total	233.0(a)	50.0	126.0	(76.0)	333.0	763.0	(56.0)
Domestic	99.0	(16.0)	(10.0)	(226.0)	(153.0)	376.0	—
Foreign	134.0(a)	66.0	136.0	150.0	486.0	387.0	26.0
Texaco Total	271.0	194.0	200.0	170.0	835.0	618.0	35.0
Domestic	60.0	65.0	82.0	(19.0)	188.0	244.0	(23.0)
Foreign	211.0	129.0	118.0	189.0	647.0	374.0	(73.0)
Amoco (Worldwide)	214.0	227.0	94.0	109.0	644.0	370.0	74.0
Shell	4.0	5.0	(14.0)	127.0	(164.0)	88.0	—
BP America	—	—	—	—	—	—	—
Arco	74.0	85.0	59.0	48.0	266.0	439.0	(39.0)
Phillips	—	58.0	43.0	(7.0)	88.0	145.0	(39.0)
Conoco	—	160.0	44.0	—	—	562.0	—
Sun	38.0	73.0	8.0	(14.0)	105.0	155.0	(32.0)
Marathon	102.0	131.0(b)	65.0	83.0	401.0	551.0	(27.0)

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*Fiscal year ends 9/30

(a) Revised. (b) Operating income, not net.

Source: Oil company annual reports and other company data.

Assets, Peak vs. 1991

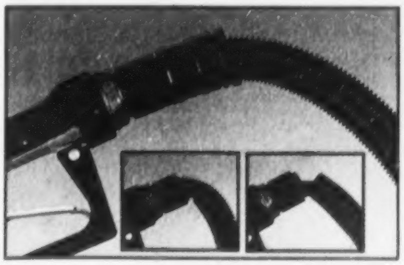
(000,000)

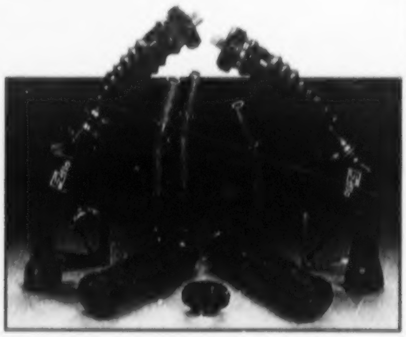
Company	Peak Year Total	Peak Year Total	1991 Total	% Change 1991 vs. Peak
Exxon	1990	$87,707	$87,560	(0.2)%
Mobil	1991	42,187	42,187	—
Chevron	1984	45,404	34,636	(23.7)
Amoco	1990	32,209	30,510	(5.2)
Shell	1990	28,496	27,998	(1.7)
Texaco	1984	37,774	26,182	(30.7)
Arco	1991	24,492	24,492	—
BP America	1987	22,807	22,288	(2.3)
Conoco	1985	14,155	12,140	(14.2)
Phillips	1984	16,955	11,473	(32.3)
Marathon	1990	11,931(a)	11,644	(2.4)
Unocal	1985	10,797	9,836	(8.9)
Coastal	1991	9,487	9,487	—
Amerada Hess	1990	9,057	8,841	(2.4)
Sun	1985	12,923	7,143	(44.7)
Pennzoil	1990	5,362(a)	5,231	(2.4)
Ashland	1991	5,499	5,449	—
Kerr-McGee	1983	3,806	3,421	(10.1)
Fina	1991	2,861	2,861	—
Citgo	1991	3,262	3,262	—
Murphy	1982	2,900	2,175	(25.0)
Total Petroleum	1990	1,151(a)	1,040	(9.6)
Diamond Shamrock	1991	1,222	1,222	—

(a) Revised.

Source: Oil company annual reports and other company data.

SOLUTIONS from EZflo.





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TV Ad Spending: Spot, Network Down in 1991

As might be expected during a recessionary year, most of the larger oil companies cut back on their television advertising expenditures in 1991. Total TV advertising budgets for the year were scaled back almost 6% to $195-million from 1990, when the companies spent a record $207-million. Still, 1991 was the second highest year ever for TV advertising investments.

According to data from the Television Bureau of Advertising, which monitors the ad expenditures of oil and other industries, there was a sizable shift from spot TV advertising by oil companies to network TV. Spot TV spending was down 10% and network TV outlays jumped 64%.

The Bureau considers the three big networks—ABC, CBS and NBC—the network segment and spot TV as the regional and sponsored programs.

Biggest increases in network TV ad spending were recorded by Marathon (up 332%) and Texaco, which doubled its network budget in 1991. Marathon also had a sizable increase of 124% in spot TV spending. Exxon was the largest spot advertiser at $15.3-million. Texaco spent more than anyone else of network advertising, almost $13-million.

Spot TV Spending (a)

(000)

Company	1991	1990	% Change
Exxon	$15,261.3	$15,175.0	0.6%
Chevron	13,815.2	19,699.0	(29.9)
Mobil	12,860.0	13,519.0	(4.9)
Texaco	12,739.0	12,566.0	1.4
Amoco	11,947.2	13,040.0	(8.4)
Pennzoil	11,934.5	11,946.0	—
Unocal	10,245.8	11,715.0	(12.5)
Shell	9,406.9	8,589.0	9.5
Sun	7,588.1	8,299.0	(8.6)
BP	7,306.2	7,743.0	(5.6)
Castrol	6,589.4	8,616.0	(23.5)
Arco	5,334.4	8,822.0	(39.5)
Citgo	4,088.8	3,775.0	8.3
Quaker State	4,070.1	3,963.0	2.7
Phillips	3,564.4	3,440.0	3.6
Marathon	3,067.8	1,369.0	124.1
Valvoline	2,656.9	—	—
Ashland	1,765.2	4,542.0	(61.1)
Amerada Hess	1,233.5	4,873.0	(74.7)
Kendall	1,124.1	—	—
Conoco	1,077.0	2,720.0	(60.4)
Total	**147,675.8**	**$164,410.0**	**(10.2)%**

Network TV Spending (a)

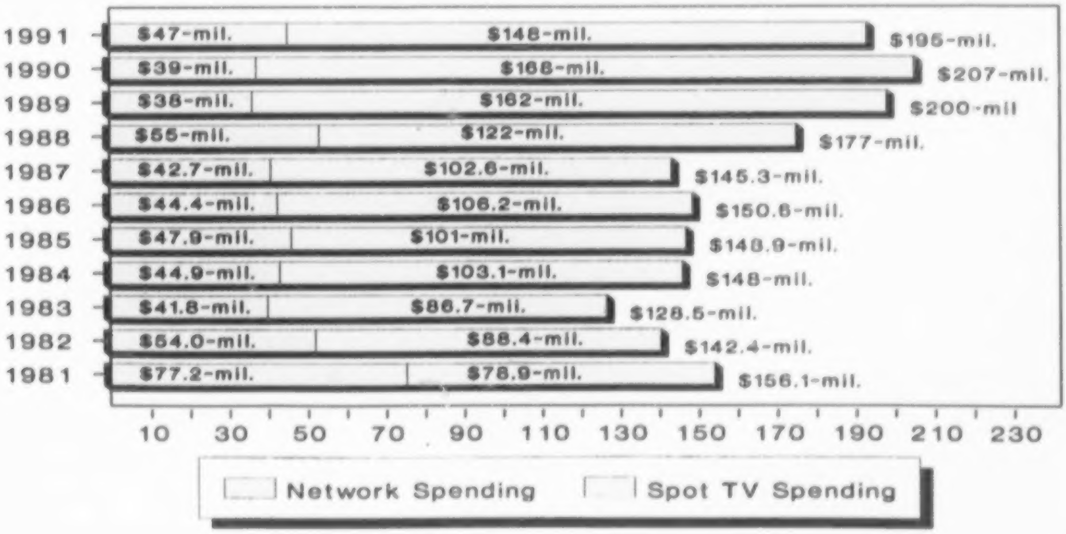
(000)

Company	1991	1990	% Change
Texaco	$12,948.0	$6,754.0	97.0%
Castrol	11,045.0	7,186.0	54.0
Valvoline	9,566.0	—	—
Conoco	3,838.0	—	—
Mobil	2,140.0	2,044.0	(4.7)
BP	1,646.0	3,863.0	(57.4)
Shell	1,567.0	6,121.0	(74.4)
Motorcraft	1,295.0	800.0	61.9
Exxon	821.0	—	—
Marathon	596.0	138.0	331.9
Quaker State	726.0	893.0	(18.7)
Pennzoil	472.0	1,060.0	(55.5)
Amoco	375.0	—	—
Unocal	122.0	122.0	—
Total	**$47,157.0**	**$28,801.0**	**63.7%**

(a) Includes spending for gasoline and motor oil and petroleum company general promotions.

Source: Television Bureau of Advertising, Arbitron data, 1991.

Trends in Oil's TV Advertising Budgets



Current Automotive Registrations

State	Automobiles			Trucks and Buses			All Motor Vehicles			Motorcycles
	Registered 1990	Estimated 1991	% Chng.	Registered 1990	Estimated 1991	% Chng.	Registered 1990	Estimated 1991	% Chng.	Estimated 1991
Alabama	2,733,066	2,785,000	1.9	1,011,425	1,031,000	1.9	3,744,491	3,816,000	1.9	41,000
Alaska	302,121	306,000	1.3	175,204	177,000	1.0	477,325	483,000	1.2	11,000
Arizona	2,001,736	2,039,000	1.9	823,376	839,000	1.9	2,825,112	2,878,000	1.9	78,000
Arkansas	934,337	940,000	0.6	513,323	517,000	0.7	1,447,660	1,457,000	0.6	14,000
California	16,971,853	17,193,000	1.3	4,954,025	4,898,000	-1.1	21,925,878	22,091,000	0.8	652,000
Colorado	2,300,119	2,310,000	0.4	855,252	851,000	-0.5	3,155,371	3,161,000	0.2	107,000
Connecticut	2,471,504	2,461,000	-0.4	151,462	149,000	-1.6	2,622,966	2,610,000	-0.5	49,000
Delaware	406,240	409,000	0.7	119,849	121,000	1.0	526,089	530,000	0.7	9,000
Dist. of Col.	244,879	246,000	0.5	17,052	17,000	-0.3	261,931	263,000	0.4	3,000
Florida	8,694,852	8,886,000	2.2	2,254,954	2,292,000	1.6	10,949,806	11,178,000	2.1	208,000
Georgia	3,833,915	3,915,000	2.1	1,655,229	1,717,000	3.7	5,489,144	5,632,000	2.6	76,000
Hawaii	671,926	696,000	3.6	99,552	103,000	3.5	771,478	799,000	3.6	21,000
Idaho	636,250	651,000	2.3	417,288	413,000	-1.0	1,053,538	1,064,000	1.0	41,000
Illinois	6,239,676	6,249,000	-0.8	1,573,513	1,582,000	0.5	7,873,189	7,831,000	-0.5	173,000
Indiana	3,196,573	3,215,000	0.6	1,169,187	1,190,000	1.8	4,365,760	4,405,000	0.9	94,000
Iowa	1,880,368	1,909,000	1.5	751,605	759,000	1.0	2,631,973	2,668,000	1.4	165,000
Kansas	1,404,743	1,418,000	0.9	607,610	619,000	1.9	2,012,353	2,037,000	1.2	75,000
Kentucky	1,915,091	1,942,000	1.4	994,317	1,021,000	2.7	2,909,408	2,963,000	1.8	34,000
Louisiana	1,998,158	2,009,000	0.5	996,605	1,007,000	1.0	2,994,763	3,016,000	0.7	26,000
Maine	741,797	722,000	-2.7	234,813	230,000	-2.0	976,610	952,000	-2.5	34,000
Maryland	2,970,320	3,020,000	1.7	636,200	647,000	1.7	3,606,520	3,667,000	1.7	57,000
Massachusetts	3,223,859	3,168,000	-1.7	501,939	505,000	0.6	3,725,798	3,673,000	-1.4	53,000
Michigan	5,612,877	5,641,000	0.5	1,596,340	1,618,000	1.4	7,209,217	7,259,000	0.7	165,000
Minnesota	2,741,763	2,830,000	3.2	766,174	785,000	2.5	3,507,937	3,615,000	3.1	119,000
Mississippi	1,434,111	1,442,000	0.6	441,334	445,000	0.8	1,875,445	1,887,000	0.6	26,000
Missouri	2,759,818	2,778,000	0.7	1,144,861	1,166,000	1.8	3,904,679	3,944,000	1.0	69,000
Montana	457,263	471,000	3.0	325,890	334,000	2.5	783,153	805,000	2.8	21,000
Nebraska	912,688	913,000	0.0	471,158	469,000	-0.5	1,383,846	1,382,000	-0.1	22,000
Nevada	592,118	601,000	1.5	261,326	274,000	4.8	853,444	875,000	2.5	19,000
New Hampshire	751,347	760,000	1.2	194,396	194,000	-0.2	945,743	954,000	0.9	41,000
New Jersey	5,179,511	5,192,000	0.2	472,871	469,000	-0.8	5,652,382	5,661,000	0.2	86,000
New Mexico	806,207	811,000	0.6	495,054	500,000	1.0	1,301,261	1,311,000	0.7	31,000
New York	8,831,316	8,893,000	0.7	1,364,837	1,369,000	2.3	10,196,153	10,289,000	0.9	190,000
North Carolina	3,676,785	3,704,000	0.7	1,485,220	1,503,000	1.2	5,162,005	5,207,000	0.9	58,000
North Dakota	371,543	369,000	-0.7	258,296	255,000	-1.3	629,839	624,000	-0.9	19,000
Ohio	6,817,973	6,843,000	0.4	1,592,493	1,616,000	1.5	8,410,466	8,459,000	0.6	213,000
Oklahoma	1,710,717	1,731,000	1.2	938,334	959,000	2.2	2,649,051	2,690,000	1.5	60,000
Oregon	1,838,995	1,883,000	2.4	606,492	619,000	2.1	2,445,487	2,502,000	2.3	61,000
Pennsylvania	6,384,121	6,415,000	0.5	1,587,349	1,613,000	1.6	7,971,470	8,028,000	0.7	168,000
Rhode Island	563,333	567,000	0.7	108,474	106,000	-2.3	671,807	673,000	0.2	22,000
South Carolina	1,877,508	1,911,000	1.8	642,229	665,000	3.5	2,519,737	2,576,000	2.2	29,000
South Dakota	424,785	428,000	0.8	279,001	277,000	-0.7	703,786	705,000	0.2	29,000
Tennessee	3,552,828	3,633,000	2.3	891,280	910,000	2.1	4,444,108	4,543,000	2.2	80,000
Texas	8,714,154	8,866,000	1.7	4,085,661	4,147,000	1.5	12,799,815	13,013,000	1.7	158,000
Utah	789,347	787,000	-0.3	416,170	428,000	2.8	1,205,517	1,215,000	0.8	28,000
Vermont	341,552	342,000	0.1	120,244	120,000	-0.2	461,796	462,000	0.0	17,000
Virginia	3,775,728	3,811,000	0.9	1,162,334	1,196,000	2.9	4,938,062	5,007,000	1.4	62,000
Washington	2,979,369	3,041,000	2.1	1,277,497	1,294,000	1.3	4,256,866	4,335,000	1.8	113,000
West Virginia	752,762	751,000	-0.2	472,185	478,000	1.2	1,224,947	1,229,000	0.3	22,000
Wisconsin	2,756,994	2,823,000	2.4	914,865	949,000	3.7	3,671,859	3,772,000	2.7	186,000
Wyoming	308,731	317,000	2.7	219,690	228,000	3.8	528,421	545,000	3.1	21,000
Total	**143,549,627**	**145,043,000**	**1.0**	**45,105,835**	**45,671,000**	**1.3**	**188,655,462**	**190,741,000**	**1.1**	**4,156,000**

Source: Federal Highway Administration, Selected Highway Statistics, Table SS90-4, October 1991.

Estimated Licensed Drivers, by Sex and State, 1990 and 1991

	1990 (Actual)				1991 (Estimated)			% Change — Total Drivers	
State	**Male**	**Female**	**Total**	**% Male Drivers**	**Male**	**(Add 000) Female**	**Total**	**1990 vs. 1989**	**1990 vs. 1980**
Alabama	1,392,026	1,360,564	2,752,590	50.57	1,408	1,380	2,788	0.8	27.5
Alaska	172,950	141,350	314,300	55.03	175	143	318	0.7	42.4
Arizona	1,227,297	1,165,321	2,392,618	51.30	1,242	1,182	2,424	2.1	48.4
Arkansas	878,710	843,311	1,722,021	51.03	889	855	1,744	1.1	26.0
California	10,535,859	9,310,047	19,845,906	53.09	10,657	9,445	20,102	2.0	32.1
Colorado	1,026,200	1,016,803	2,043,003	50.23	1,038	1,031	2,069	0.8	2.3
Connecticut	1,054,539	1,159,607	2,214,146	47.63	1,067	1,176	2,243	0.9	7.4
Delaware	243,426	241,375	484,801	50.21	248	245	491	1.3	20.3
Dist. of Col.	210,778	201,534	412,312	51.12	213	204	417	0.7	18.1
Florida	4,778,636	4,452,769	9,231,405	51.76	4,834	4,517	9,351	2.3	34.4
Georgia	2,255,799	2,222,461	4,478,260	50.37	2,282	2,254	4,536	3.0	39.4
Hawaii	366,208	311,418	677,626	54.04	370	316	686	1.0	26.9
Idaho	361,253	342,931	704,184	51.30	365	348	713	1.5	19.8
Illinois	3,717,715	3,577,017	7,294,732	50.96	3,761	3,629	7,390	1.0	6.4
Indiana	1,850,007	1,751,347	3,601,354	51.67	1,872	1,777	3,649	0.6	2.0
Iowa	927,958	944,528	1,872,486	49.56	939	958	1,897	1.5	-7.4
Kansas	848,702	865,805	1,714,507	49.50	859	878	1,737	1.6	-3.6
Kentucky	1,225,596	1,176,065	2,401,661	51.03	1,240	1,193	2,433	1.3	17.9
Louisiana	1,290,566	1,284,894	2,575,460	50.11	1,306	1,303	2,609	0.3	14.0
Maine	440,502	446,540	887,042	49.66	446	453	899	1.4	29.8
Maryland	1,710,144	1,651,792	3,361,936	50.87	1,730	1,676	3,406	2.1	31.8
Massachusetts	2,176,846	2,052,465	4,229,311	51.47	2,202	2,082	4,284	2.0	13.5
Michigan	3,218,771	3,221,619	6,440,390	49.98	3,256	3,268	6,524	0.2	3.0
Minnesota	1,283,189	1,245,752	2,528,941	50.74	1,298	1,264	2,562	0.4	13.2
Mississippi	960,865	923,679	1,884,544	50.99	972	937	1,909	1.7	18.7
Missouri	1,863,591	1,824,490	3,688,081	50.53	1,885	1,851	3,736	1.1	16.6
Montana	330,899	272,715	603,614	54.82	335	277	612	0.2	4.1
Nebraska	548,345	540,332	1,088,677	50.37	555	548	1,103	1.5	2.6
Nevada	444,505	401,905	846,410	52.52	450	408	858	2.3	60.6
New Hampshire	425,025	418,445	843,470	50.39	430	424	854	1.6	37.5
New Jersey	2,938,968	2,645,759	5,584,727	52.63	2,973	2,684	5,657	1.3	24.2
New Mexico	558,383	515,433	1,073,816	52.00	565	523	1,088	1.0	33.7
New York	5,449,157	4,805,072	10,254,229	53.14	5,513	4,874	10,387	1.1	12.4
North Carolina	2,303,537	2,247,107	4,550,644	50.62	2,330	2,279	4,809	2.0	26.4
North Dakota	215,465	209,433	424,898	50.71	218	212	430	0.2	5.4
Ohio	3,760,666	3,666,743	7,427,409	50.63	3,804	3,720	7,524	0.2	-9.2
Oklahoma	1,137,074	1,140,466	2,277,540	49.93	1,150	1,157	2,307	1.6	21.5
Oregon	1,159,013	1,052,537	2,211,550	52.41	1,173	1,068	2,241	1.2	21.0
Pennsylvania	4,116,337	3,782,715	7,899,052	52.11	4,164	3,837	8,001	0.6	11.7
Rhode Island	341,610	329,041	670,651	50.94	346	334	680	2.6	15.5
South Carolina	1,182,475	1,190,350	2,372,825	49.83	1,196	1,207	2,403	1.9	30.8
South Dakota	248,878	243,500	492,378	50.55	252	247	499	0.1	4.8
Tennessee	1,658,225	1,676,200	3,334,425	49.73	1,678	1,700	3,378	1.3	23.8
Texas	5,736,644	5,400,050	11,136,694	51.51	5,803	5,478	11,281	0.3	30.0
Utah	521,799	524,307	1,046,106	49.88	528	532	1,060	1.3	35.3
Vermont	210,920	201,000	411,920	51.20	213	204	417	1.0	25.6
Virginia	2,213,348	2,175,457	4,388,805	50.43	2,239	2,207	4,446	1.8	34.7
Washington	1,724,508	1,652,163	3,376,671	51.07	1,745	1,676	3,421	1.4	35.9
West Virginia	671,929	611,774	1,283,703	52.34	680	621	1,301	0.4	-9.8
Wisconsin	1,702,803	1,625,069	3,327,872	51.17	1,723	1,648	3,371	0.6	14.8
Wyoming	173,803	159,743	333,546	52.11	176	162	338	2.3	4.5
Total	**85,792,449**	**81,222,800**	**167,015,249**	**51.37**	**86,791**	**82,392**	**169,183**	**1.3**	**18.6**

Source: Federal Highway Administration, Selected Highway Statistics, Table SS90-6, October 1991.

Passenger Car Energy Indicators, 1973 – 1990(a)

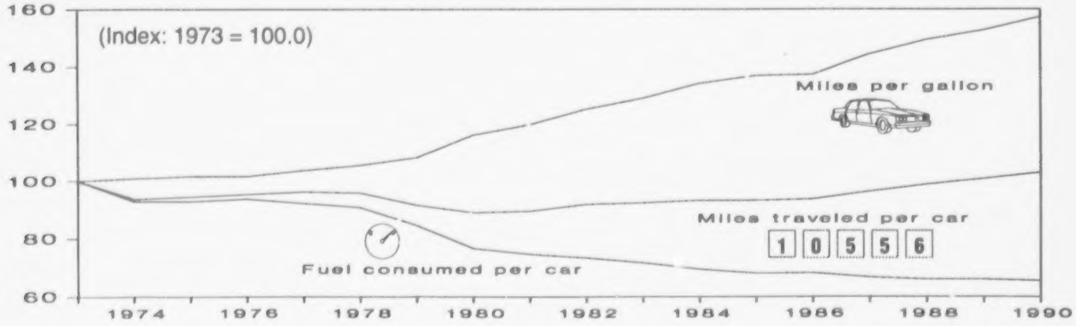
(1973 = 100.0)

	Passenger Cars Only						Passenger Cars and Motorcycles		
	Avg. Fuel Used per Car		Avg. Miles Traveled per Car		Avg. Miles per Gal. of Fuel		Number Registered	Gasoline Consumed	Miles Traveled
Year	Gal.	Index	Miles	Index	Miles	Index	(000)	(000,000 gal.)	(000,000)
1990(b)	505	65.5	10,556	102.9	20.92	157.3	147,809	72,626	1,524,942
1989(c)	509	66.0	10,332	100.7	20.31	152.7	147,460	72,956	1,488,140
1988	509	66.0	10,121	98.7	19.87	149.4	145,835	72,149	1,439,603
1987	514	71.9	9,878	98.2	19.20	136.5	142,125	70,763	1,364,836
1986	526	73.6	9,608	95.5	18.27	129.9	140,693	71,403	1,310,921
1985	525	73.4	9,560	95.0	18.20	129.4	137,308	69,450	1,269,651
1984	536	75.0	9,558	95.0	17.83	126.7	134,334	73,283	1,274,074
1983	553	77.3	9,475	94.2	17.14	121.8	131,723	73,156	1,229,697
1982	566	79.2	9,428	93.7	16.65	118.3	129,500	72,848	1,191,623
1981	576	80.6	9,186	91.3	15.94	113.3	129,123	71,718	1,124,843
1980	591	82.7	9,141	90.9	15.46	109.9	127,448	73,375	1,129,887
1979	653	91.3	9,403	93.5	14.41	102.4	125,750	80,233	1,162,528
1978	701	98.0	9,835	97.8	14.04	99.8	121,717	83,775	1,194,287
1977	716	100.1	9,879	98.2	13.80	98.1	118,711	80,677	1,141,166
1976	723	101.1	9,785	97.3	13.53	96.2	115,170	78,847	1,098,147
1975	716	100.1	9,690	96.3	13.52	96.1	111,679	76,457	1,050,472
1974	716	92.9	9,606	93.7	13.42	100.9	109,823*	74,217*	1,013,068*
1973	771	100.0	10,256	100.0	13.30	100.0	106,119*	78,011*	1,036,455*

(a) Data for this table were revised by the Federal Highway Administration in 1986, except where indicated by asterisk (*); (b) Preliminary; (c) Revised.

Source: Energy Information Administration, Monthly Energy Review, Figure 1.9, Table 1.10, March 1992; Federal Highway Administration, Selected Highway Statistics, Table SS90-17, October 1991.

Passenger Car Efficiency Index



Mileage and Fuel Consumption Data, 1990

	Personal Vehicles						
	Passenger Cars	Motorcycles	All Personal Passenger Vehicle	Buses	All Passenger Vehicles	Trucks & Combinations	All Motor Vehicles
Fuel Consumed (000,000 gal.)	72,435	191	72,626	901	73,527	58,056	131,583
Average per Vehicle (gal.)	505	45	491	1,436	495	1,305	682
Average Miles per Gal.	20.92	50.00	21.00	6.36	20.82	10.6	16.32
Vehicles Registered (000)	143,550	4,259	147,809	627	148,436	44,479	192,915
Average Miles Traveled per Vehicle	10,556	2,247	10,317	9,136	10,312	13,868	11,132
Average Total Miles Traveled (000,000):							
On Main Rural Roads	334,894	2,706	347,600	1,564	349,164	182,635	531,799
On Local Rural Roads	217,080	1,674	218,754	1,889	220,643	117,967	338,610
On Urban Streets	953,396	5,192	958,588	2,275	960,863	316,229	1,277,092
Total Travel in 1990	**1,515,370**	**9,572**	**1,524,942**	**5,728**	**1,530,670**	**616,831**	**2,147,092**
Total Travel in 1989	**1,477,769**	**10,371**	**1,488,140**	**5,659**	**1,439,799**	**602,657**	**2,096,456**

Source: Federal Highway Administration, Selected Highway Statistics, Table SS90-17, October 1991.

1990 Relationships by Population, Drivers

State	Resident Population (000)	Licensed Drivers per 1,000 Resident Population	Registered Motor Vehicles per 1,000 Resident Population	Vehicle Gal. of Fuel per Vehicle	Miles per Gal.	Annual Miles per Vehicle	Miles per Licensed Driver
Alabama	4,041	681	927	701	16.14	11,309	15,384
Alaska	550	571	868	670	12.45	8,336	12,660
Arizona	3,665	653	771	697	18.01	12,550	14,819
Arkansas	2,351	732	616	1,098	13.22	14,514	12,201
California	29,760	667	737	669	17.66	11,809	13,047
Colorado	3,294	620	958	538	16.02	8,613	13,303
Connecticut	3,287	674	798	567	17.68	10,028	11,880
Delaware	666	728	790	733	16.97	12,447	13,507
Dist. of Col.	606	680	432	719	18.09	13,007	8,263
Florida	12,938	714	846	610	16.48	10,046	11,916
Georgia	6,478	691	847	788	16.83	13,253	16,244
Hawaii	1,108	612	696	501	20.86	10,455	11,903
Idaho	1,007	699	1,046	563	16.61	9,349	13,966
Illinois	11,431	638	689	786	13.47	10,585	11,424
Indiana	5,544	650	787	760	16.19	12,300	14,910
Iowa	2,777	674	948	635	13.75	8,736	12,279
Kansas	2,478	692	812	743	15.29	11,354	13,327
Kentucky	3,685	652	790	780	14.82	11,562	14,007
Louisiana	4,220	610	710	723	17.39	12,578	14,625
Maine	1,228	722	795	706	17.22	12,155	13,383
Maryland	4,781	703	754	643	17.47	11,240	12,057
Massachusetts	6,016	703	619	697	17.77	12,381	10,907
Michigan	9,295	693	776	649	17.33	11,248	12,591
Minnesota	4,375	578	802	629	17.65	11,102	15,400
Mississippi	2,573	732	729	813	16.00	13,009	12,946
Missouri	5,117	721	763	840	15.52	13,031	13,797
Montana	800	755	979	684	15.54	10,639	13,804
Nebraska	1,578	690	877	694	14.54	10,066	12,821
Nevada	1,202	704	710	890	13.46	11,969	12,069
New Hampshire	1,109	761	853	577	18.05	10,409	11,671
New Jersey	7,730	722	731	654	15.94	10,424	10,551
New Mexico	1,515	709	859	768	15.15	12,410	15,038
New York	17,990	570	567	655	16.01	10,485	10,425
North Carolina	6,629	686	779	744	16.34	12,148	13,780
North Dakota	639	665	986	640	14.66	9,383	13,909
Ohio	10,847	685	775	665	15.56	10,341	11,710
Oklahoma	3,146	724	842	767	16.28	12,488	14,525
Oregon	2,842	778	860	677	16.16	10,934	12,090
Pennsylvania	11,882	665	671	682	15.76	10,752	10,850
Rhode Island	1,003	669	670	598	17.49	10,455	10,473
South Carolina	3,487	680	723	869	15.70	13,643	14,487
South Dakota	696	707	1,011	652	15.22	9,931	14,194
Tennessee	4,877	684	911	681	15.43	10,511	14,008
Texas	16,987	656	754	772	16.42	12,675	14,567
Utah	1,723	607	700	730	16.64	12,149	14,000
Vermont	563	732	820	695	18.18	12,642	14,173
Virginia	6,187	709	798	705	17.28	12,187	13,712
Washington	4,867	694	875	609	17.23	10,500	13,236
West Virginia	1,793	716	683	822	15.32	12,587	12,011
Wisconsin	4,892	680	751	668	18.05	12,058	13,305
Wyoming	454	735	1,164	869	12.71	11,039	17,488
Total	**245,709**	**672**	**759**	**697**	**16.32**	**11,383**	**12,858**

Source: Federal Highway Administration, Selected Highway Statistics, Table SS90-19, October 1991.

Gasoline and Motor Oil Brand Names

Gasoline	Motor Oil
Acme Petroleum Fuel Co.	
Shell (ur,up,usp)	
Citgo (ur,up,usp)	
Unocal (ur,up,usp)	
Coastal (ur,up,usp)	
World (ur,up,usp)	
Advanced Oil Co.	
Gas Stop	
Ada Resources	
Phillips (ur,up,usp)	Phillips
Conoco (ur,up,usp)	Amoco
Citgo (ur,up,usp)	Unocalc
	Mobil
	Conoco
Agway Petroleum Corp.	
Agway (ur,up,usp,d)	Agway
Power Champ (ur,up)	Agway Super Diesel
	Agway Diesel
	Agway Super Premium
	Agway Premium
	Agway Utility
Amoco Corp.	
Amoco (ur, u Silver, u Ultimate)	Amoco Premier II
	Heavy Duty
	Amoco 200
	Amoco 300
	Amoco 400
	Amoco 21C
	Amoco Turbo
	Amoco LDO SG
	Amoco Ultimate
	Amoco Ultimate Racing
Anchor Gasoline Corp.	
Canal (ur,up)	Sun
Bayou (ur,up)	
Arco	
Arco (r,rec-1,u,usp)	ARCO
	ARCO S3 Plus
	ARCO Graphite III
Arco Products Company	
Arco (r,ur,usp)	Arco
EC-1, EC-p	Arco Fleet 69 Plus
	Arco Supreme
	Arco Graphite III
Arkansas Valley Petroleum	
Phillips (ur,up,usp)	
Sunoco (ur,up,usp,ultra)	
Truman Arnold Cos.	
(unbranded)	Conoco
	Citgo
Ashland Oil, Inc.	
	Valvoline
Aztex Enterprises	
Citgo (ur,Advantage Performer)	Citgo
Texaco (ur,up,usp)	Texaco
Bagwell Oil Co., Inc.	
Unocal 76	Unocal 76
Chevron	Chevron
BP	BP
Bedford Valley Petroleum Corp.	
Amoco (ur,up)	Amoco
Chevron (ur,up)	Chevron
Texaco (up,sp)	Quaker State
	Kendall
	Mobil
	Pennzoil
	Texaco
Beneto, Inc.	
Exxon	
Best Oil Co.	
(Unbranded)	Quaker State
Bostick Brothers, Inc.	
Citgo (ur,up,usp)	Conoco
Texaco (ur,up,usp)	Texaco
BP America Inc.	
Sohio/Boron (ur,up,usp)	BP All Season
Gulf (ur,up,usp)	BP Premax
BP (ur,up,usp)	BP Nitrex Super Prem
	Vanellus-Commercial Vehicle
Bradley Petroleum Inc.	
Bradley (ur,up,usp)	Sinclair
Sav-O-Mat (ur,up,usp)	Pennzoil
Bray Terminals, Inc.	
Citgo (r,ur,p,up,sp,usp,o)	Chevron
	Citgo
	Castrol
Brennan Petroleum Co.	
Mobil (ur,up,usp)	Mobil
Browning Oil Co.	
Shell (RU 2000, SR 2000, SU 2000)	Shell
Rally (r,ur,up)	
Buhrmaster Energy Group	
Atlantic (ur,up,usp)	Atlantic
Coastal (ur,up,usp)	Wolf's Head –
	Magnum Oil
	Valvoline
Dennis K. Burke Inc.	
	Fleetline
	Citgo
	Texaco
	Shell
	Castrol
	Chevron
Bursaw Oil Corp.	
Mobil (ur,up,usp)	Mobil
Texaco (ur,up,usp)	Texaco
	Performance Plus
C.S.C. Oil Co.	
CSC (r, ur, up)	
Campbell Oil Co.	
Shell (r, ur, p)	Shell
	Unocal
	Sunoco
	Citgo
Cannon Oil Corp.	
Cannon (ur,up,usp, d)	Cannon 20W40
	Cannon ATF
	Cannon HD
	Cannon Regular
Cel Oil Products Corp.	
Unocal (ur,up,usp)	Unocal
CENEX	
Cenex (stay clean,ur, up,usp)	Golden D
	Super Lube 518
	Super Lube SL
	CENEX Hi-Tech.
	CENEX TC-502
Center Independent Oil Co.	
Citgo	
Getty	
Certified Oil Co.	
(ur,up,usp)	Certified
Champlain Oil Co.	
Citgo	Citgo
Gulf	Quaker State
Gulf	Gulf
	Castrol
	Mobil
	Texaco
Chapman Inc.	
Texaco (ur,p,up,sp,usp)	
Fina (ur,up,usp)	Havoline
	Fina
Charter Marketing Co.	
Charter (r,ur,up)	
Chevron Corp.	
Chevron (r,ur,up,usp)	Chevron Supreme
	Chevron ATF Type F
	Standard ATF Type F
	Chevron Dexron II(ATF)
	Chevron DELO Multigrade Heavy Duty
Circle K Corp.	
Major Brands	
Aero (ur,up,usp)	
Citgo Petroleum Corp.	
Citgo (ur)	Citgard
The Performer	Citco Supergard
The Advantage	
Clark Oil & Refining Corp.	
(ur,extra,ap)	Clark H.D. 30
	Clark Premium 5W30
	Clark Premium 10W40
	Clark Premium 10W30
Coast Oil Co.	
Coast (ur,up,usp)	Coast All Grades
The Coastal Corp.	
Coastal Mart (ur,p,up,sp,usp,o)	Uni-Lube
The Coen Oil Co.	
Amoco	Union
Union	Mobil
Mobil	Citgo
Citgo	Quaker State
Pennzoil	Valvoline
	Kendall
Colonial Oil Industries, Inc.	
Enmark (no-lead,	Enmark
Sterling Plus	
Golden Premium	
Big Red	
Diesel	
Interstate (ur,up,usp)	
Comet Oil Co.	
Comet (up,ur,us)	Quaker State
Como Oil Co.	
Phillips 66 (ur,p,up)	Phillips
Conoco Inc.	
Conoco (r,ur,up,usp)	Tracon
	Fleet
	Super
	HP Naling
	HP Turbo
	HP Xtreem

KEY

Gasoline:

(r)	Regular
(ur)	Unleaded Regular
(p)	Premium
(up)	Unleaded Premium
(sp)	Super Premium
(usp)	Unleaded Super Premium
(d)	Diesel
(o)	Other

Motor Oils: Brand names are listed lowest-price grade first.

Gasoline	Motor Oil
Consumers Gasoline Stations, Inc.	
Scot (r,ur,up,o)	
Consumers (r,ur,up,o)	
Citgo (ur,up,usp)	
Convenient Petroleum Corp.	
Citgo (r,ur)	Citgo
Texaco (r,ur)	Texaco
Sunoco (r,ur)	Sunoco
Cook & Cooley, Inc.	
Texaco (r,ur,up)	Havoline
	Texaco
Crown Central Petroleum Corp.	
Crown (ur,up,usp,d)	Crown All-Season 10W40 & 10W30
	Crown Quality SAE 30
	Crown Dextron II ATF
Crystal Flash Petroleum	
Crystal Flash (ur,up,usp,d)	Citgo
S.S.C. Oil Co.	
CSC (ur,up,usp)	
Curtis Parker Oil Co., Inc.	
Conoco (ur,usp)	Fleet
	Super
	Tracon
	Par
Davis-Howland Oil Corp.	
	DSL XXX HD
	DSL Super Gard
	DSL Universal
	DSL Super Premium
K.E. David Ltd.	
Citgo (r,ur)	
DeBlois Oil Co.	
Texaco (ur,up,usp)	Texaco/Havoline
Citgo (ur,up,usp)	Sunoco
Sunoco (ur,up,usp)	Citgo
Diamond Shamrock Refining & Mfg. Co.	
Diamond Shamrock (ur,up,usp)	Triple Action
	Equa Flow
Dickey, Inc.	
	Conoco
	Texaco
Dixie Oil Co.	
Dixie	Dixie
Phillips	Coastal
Citgo	Kendall
	Pennzoil
	Quaker State
	Chevron
	Texaco
	Castrol
Drakes Refining Stations	
Unino 76 (r,ur,up)	Kendall
	Quaker State
	Pennzoil
D & W Oil Co.	
Marathon (ur,up,usp)	Citgo
Ashland (ur,up,usp)	
East Coast Oil Corp.	
East Coast (r,ur,up)	
Emro Marketing Co.	
(ur,up,usp)	Titan
Englefield Oil Co.	
Marathon (ur,up,usp)	Duke
Citgo (ur,up,usp)	Marathon
Duke Oil	Mobil
	Shell
	Valvoline
	Chevron
Este Oils Co.	
Mobil (ur,up)	Mobil
Este (ur)	Citgo

Gasoline	Motor Oil
Exxon Company, U.S.A.	
Exxon (ur)	Superflo Supreme
Exxon Plus (up)	
Exxon Supreme (usp)	
Farm & Home Oil Co.	
Texaco (ur,up,usp,d)	Texaco
Amoco (ur,up,usp)	Amoco
Exxon (ur,up,usp)	Exxon
Farm Stores	
Unocal (ur,up,usp)	
Texaco (ur,up,usp)	
Farmland Industries	
Farmland (r,ur,up,o)	TMS Double Circle
Magnum XP	Premium Dual Season
(d) Ruby Premium	Irriflex
Fas-Stop, Inc.	
APCO (r,ur)	
Fina, Inc.	
Fina (ur,up,usp)	Fina:
	Ultra Supreme
	Kappa Universal Plus
	Universal Plus
Fleetman Inc.	
Fuelman (ur,up,d)	Oilman
F.O. Fletcher Oil, Inc.	
Veltex (r,ur)	
Price-Less (r,ur)	
Flying J Inc.	
Flying J (ur)	Conoco
Conoco (ur)	Shell
	Chevron
Fortmeyer Inc.	
Citgo (ur)	Citgo
Ashland	Pennzoil
Pennzoil (o)	
Foster Oil Co.	
Union 76 (ur,up,usp)	Unocal
Boron (ur)	Pennzoil
	Mobil
	Marathon
H.N. Funkhouser & Co.	
Texaco (r, ur)	Kendall
Exxon (r,ur,up)	Texaco Havoline
	Uniflow Perform. Plus
Gard Corp.	
	Gard
Gate Petroleum Co.	
Gate (ur,up,usp)	
Geldbach Petroleum Co., Inc.	
Mobil	Mobil
General Oil Co.	
Sinclair (ur,up)	
Getty Petroleum Corp.	
Getty (ur,up,usp)	Getty
Global Petroleum Corp.	
Citgo	
Mobil	
Texaco	
Amoco	
Conoco	
Global	
King	
Chevron	
Unocal 76	
Golden Gate Petroleum Co.	
BP (up,d)	Chevron
	Texaco
	Union
	Mobil
	Shell
Golub Corp.	
Gulf (ur,up)	Gulf
	Mobil

Gasoline	Motor Oil
Gresham Petroleum Co.	
Amoco (ur,up,usp)	Amoco
Chevron (ur,up,usp)	Chevron
Gulf Oil	
Gulf (r, ur, usp)	Gulflube
	Super Duty
	Gulfpride
Gull Industries Inc.	
Gull (r, ur, up)	
Guttman Oil Co.	
Texaco (ur,up,usp)	Crossroads
Citgo (ur,up,usp)	Havoline
	Kendall
	Quaker State
	Pennzoil
	Mobile
	Exxon
Harris Oil Co.	
Arco	Shell
BP	BP
Hawaiian Independent Refinery Inc.	
Gas Express	Valvoline
Highway Oil, Inc.	
Regular unleaded	Workingman's Friend
Premium unleaded	
Diesel	
Angus I. Hines Inc.	
Sentry (r,ur,up,d)	Sentry
Shell	Shell
Texaco	Texaco
Citgo	Citgo
Horkey Oil Co., Inc. (dba Friends C-Stores)	
Shell (RU2000,SR2000, SU2000)II	Shell
Hough Petroleum	
Citgo (ur,up)	Gulf
Gulf (ur,up)	Citgo
Coastal (ur,up)	
Hub-Langie Fuel Corp.	
Hess	
United	
BP	
Ashland	
NOCC	
Hucks Convenience Stores	
Sure (ur,up,usp,o)	Sure
Hudson Farris Corp.	
APCO	Pennzoil
	Havoline
	Valvoline
	Phillips
	Quaker State
	Total
Hughes Energy Inc.	
Mobil (ur,up,usp)	Mobil
Hull Oil Co.	
Chevron (ur,up,usp)	Chevron
Hull (ur,up,usp)	
Hunt Refining Co.	
Parade (r,ur,up)	
Huntley Jiffy, Inc.	
Huntley-Jiffy	Huntley-Jiffy
Phillips	
Citgo	
J.D. Street & Co., Inc.	
Fina (r,ur,up,o)	High Performance
Sunoco (r,ur,up,o)	
Citgo (r,ur,up,o)	
Jacobus Petroleum Products Inc.	
Phillips (r,ur,up)	Phillips
Uno-Ven (r,ur,up)	Uno-Ven
Citgo (r,ur,up)	Citgo
Marathon (r,ur,up)	Marathon

Brand Names

Gasoline	Motor Oil
Jiffy Stop, Inc.	
Citgo	Citgo
Unocal	Unocal
Phillips	Phillips
Marathon	Marathon
	Rotella Shell
	Texaco
J&L Oil, Inc.	
J&L (ur,up,usp)	
Johnson Products, Inc.	
Citgo	Getty
Getty	Citgo
	Texaco
	Mobil
Kellett Oil Co.	
Texaco (ur,p,up,sp,usp)	GRC
Sinclair (ur,p,up,sp,usp)	Texaco
Phillips 66 (ur,p,up,sp,usp,o)	
Kelley Williamson Co.	
Mobil (ur,up)	Citgo
Phillips (ur,up)	Mobil
	Kendall
	Shell
	Quaker State
	Goodwrench
	Mopar
Kelso Oil Co., Inc.	
Pride (r,ur,up,usp)	Kendall
Phillips 66 (r,ur,up)	Quaker State
	Havoline
	Pennzoil
Kent Distributors, Inc.	
Diamond Shamrock	Shamrock
Kerr-McGee Refining Corp.	
Power Max (ur,up)	Valu Lube
Power Max Formula 4	Heavy Duty
	Blue Max
	Blue Velvet
Kickapoo Oil Co., Inc.	
Kickapoo (r,ur,p,up,d)	Kickapoo
	Pennzoil
Kimber Petroleum Corp.	
Amoco (ur,up,usp)	Amoco
Mobil (ur,up,usp)	Mobil
Kingston Oil Supply Corp.	
Mobil	Mobil
Getty	
Kirschner Bros. Oil Co.	
Chevron	
Getty	
Kunz Oil Co.	
Kolh	
Phillips	
Lake Shore Petrocorp	
Phillips 66 (r, ur)	Phillips Trop Artic
Marathon (r, ur)	Phillips All Season
Carlos R. Leffler	
(ur,up,usp)	Texaco
	Shell
	Chevron
	Mobil
	Gulf
	Aro
H. C. Lewis Oil Co.	
Exxon (r, ur, usp)	Exxon
Lewco (ur,up,usp)	Pennzoil
The Lyden Company	
Amoco (r,ur,usp,d)	Amoco
Marathon Petroleum Co.	
Mile Maker	V.E.P
Extra M	All Season
Super M	Multi-Power-3
	Endurance
	Marine-Terrain Master
Martin Oil Marketing, Ltd.	
Martin (r,ur,usp,o,d)	Martin All Season
	5W30
	10W30
	10W40
McLeleer Oil, Inc.	
Unocal 76	Unocal 76
Sunoco	Marathon
	Sunoco
Merchants Oil Inc.	
Sinclair (r,ur,p,up,sp,usp)	Sinclair
Sav-o-Mat	Shell
Merit Oil Corp.	
Merit (ur,up)	Merit Economy
	Merit 10W30
	Merit 10W40
	Merit ATF
Merritt Truax, Inc.	
Texaco(ur,usp)	Major Brands
Arco (ur,usp)	
Chevron (ur,usp)	
MFA Oil Co.	
MFA (ur,up,usp)	MFA Premiuml
	MFA Heavy Duty Special II
	MFA Super Heavy Duty
M.G.S. Oil, Petroleum & General Trading Corp.	
Marathon (ur,usp,d)	Marathon 20W50
	Marathon 15W40
	Marathon W20 & 30
	Arco W20 & 30
Mid-States Petroleum	
Unocal (ur,up,usp)	Unocal
Citgo (ur,up,usp)	Citgo
Midwest Petroleum Co.	
Fina (ur,up,us)	Fina
Shell (RU 2000, SR 2000 SU 2000)	Pennzoil
	Shell
	J.D. Street
Mid-Missouri Oil Co.	
Shell (ur,up,usp)	Shell
Citgo (r,ur,up,usp)	Citgo
Milder Oil Co., Inc.	
	Mystik
	Texaco
	Milderene
Miller & Holmes, Inc.	
M & H (ur,up,usp)	
Miller Enterprises, Inc.	
Unocal (r,ur,p,up,sp,usp,o)	
Phillips (r,ur,p,up,sp,usp,o)	
Miller Oil Co.	
Exxon (ur,up)	
Citgo (ur,up)	
Amoco (ur,up)	
Missouri Terminal Oil Co.	
Fina (r,ur,p,up,sp,usp,o,d)	Fina
Sun (ur,up,usp,o)	Shell
	Arco
	Mobil
	Sunoco
Mobil Oil Corp.	
Mobil Unleaded	Mobil Regular
Mobil Special	Mobil Heavy Duty
Mobil Super Unleaded +	Mobil Super XHP
	Mobil Super HP
	Mobil Delvac
	Mobil 1
Munro Petroleum & Terminal Corp.	
Shell	Shell
MP	MP
Mobil	
Murphy Oil USA, Inc.	
Spur (ur,up,usp,o)	
Musket Corp.	
Independent	Major Brands
National Convenience Stores, Inc.	
Stop N Go (ur,usp)	
Citgo (ur,up,usp)	
Phillips (ur,up,usp)	
National Oil & Gas Inc.	
Phillips (r,ur,p,up,sp,usp)	Marathon
Marathon (r,ur,p,up,sp,usp)	Phillips
Unocal 76 (ur,up,usp)	Unocal
BP Oil (ur,up,usp)	BP Oil
	Kendall
Neal, Inc.	
Fina (ur,up,usp,o)	Fina
Nella Oil Co.	
Exxon (r,ur,p,up,sp,usp,o)	Superflow Exxon
I-Stop (usp)	Pennzoil
Newell Oil Co. Inc.	
Chevron (ur,up,usp,o)	Chevron
NOCO Energy Corp.	
Noco (ur,up,usp,dSupr)	NOCO Premium Plus
BP (ur,up,ups)	Mobil
	BP
Northville Industries Corp.	
Northville (r,ur,up,usp,o)	Northville 10W30
Texaco (r,ur,up,usp,o)	Northville 10W40
Olympian Oil Co.	
Olympic (ur,up,usp)	Kendall
	Chevron
	Exxon
	Castrol
	Olympic
Parker Oil Co., Inc.	
Union 76	Union 76
Exxon	Exxon
Citgo	Citgo
Petrol	Texaco
Patterson Oil Co., Inc.	
Mobil	Mobil
Gulf	Gulf
Citgo	Citgo
Exxon	
Peavey Oil Co.	
Texaco (ur,up,d)	Texaco
	Havoline
Pennsylvania Petroleum Products Co.	
	Quaker City
	Brytol
	Stop Oil Treatment
Pennzoil	
Pennzoil (r,ur,up,sp)	Pennzoil
	Wolf's Head
Petroleum Sales & Service	Petro USA
	Chevron
	Emblem
	Mobil
	Quaker State
	Kendall
Petroleum Marketers, Inc.	
Shell	Shell
Exxon	Exxon
Citgo	Citgo
Petroleum Products Corp.	
Best (r,ur,up,usp,o)	Shell
	Exxon
	Mobil
	Sun
Petrotex Marketing Inc.	
Shell (r,ur,up)	Fina
	Quaker State
	Pennzoil
	Shell
	Chevron

Gasoline	Motor Oil
Phillips 66 Co.	
Phillips (r,ur,p,up,sp,usp)	Unique
	M M Motor Oil
	Super HD II
	Trop Artic
	HDS
	Trop Artic Turbo
	Trop Artic Propane
	Trop Artic Racing Oil
Piasa Motor Fuels, Inc.	
Unoven (r,ur,up,usp)	Conoco
Conoco (r,ur,up,usp)	Amoco
	Shell
	Kendall/Valvoline
Pilot Oil Corp.	
Pilot (r,ur,up)	Pilot
Pride Oil Co., Inc. (Miss.)	
Parade	
Phillips 66	
Prime Lube	
	Amoco
	Arco
Publix Oil Co., Inc.	
Publix (r, ur, p, up, sp, usp, o)	
Pyramid Oil Co.	
Pyramid	
Pyramid Thunder	
Mobil	
Quaker State Corp.	
	Quaker State Synquest
	Quaker State Super
	Quaker State DeLuxe
Quality Oil Co. Limited Partnership	
Quality Plus (ur,usp)	Quality Plus
Quarles Petroleum	
Quarles (r,ur,up,usp,d)	
Quiktrip Corp.	
Quiktrip (ur,up,usp)	XP
Redwood Oil Inc.	
Chevron	Chevron
BP	Mobil
Texaco	Shell
Beacon	Texaco
Redwood (ur,up,usp)	Valvoline
Castrol	
Red Hed Oil Co., Inc.	
Citgo (r,ur,up,usp)	Major Brands
Reinauer Petroleum Inc.	
Citgo (r,ur,p,up,usp,o)	Citgo
Reinhardt Oil Corp.	
Citgo	Citgo
Sun	Sunoco
Reynolds Industries, Inc.	
Port (ur,up,usp)	Port
River Oil Co.	
Phillips 66	Phillips 66
	Trop-Artic
Roach Oil Co.	
Texaco (ur,up,usp)	Havoline
	URSA
Robinson Oil Co., Inc.	
Rotten Robbie (ur,usp,)	
Ross Service Center	
(up)	Total
Royster Oil Co., Inc.	
BP (ur,up,usp)	Nitrex
	Vanellus
Russell Petroleum Corp.	
Texaco (ur,up,o)	All major brands
Kwik Shop	
Sahara Oil Co., Inc.	
Texaco (r,up,usp,d)	Havoline
Santa Fuel, Inc.	
Sunoco	Sunoco
Citgo	Citgo
Santee Oil Co., Inc.	
Shell (r,ur,usp)	Shell
Hess (ur,up,usp,o)	
Save-X USA, Inc.	
Citgo (ur,up,usp)	Citgo
	Warren
SCASCO	
Texaco (r,ur,p,up,sp,usp,o)	Texaco
Citgo	Citgo
Sears Oil Co. Inc.	
Sears (r,ur,p,up,sp,usp)	Sears Premium
	Sears Supreme
	TRI Pure
Shay Oil Co., Inc.	
Exxon (r,ur,p,up,sp,usp)	Exxon
	Super flow
	XD3
Shelby Petroleum Corp.	
Peer (r,ur,p,up,sp,usp)	Bonus Regular
Bonus (r,ur,p,up,sp,usp)	Sail Premium
	Peer Premium
	Peer Heavy Duty
	Peer Multi-Grade
Shell Oil Co.	
Shell (RU2000,SR2000, SU2000S, SU2000E)	Shell
	X-100
	Fire & Ice 2000
	Super 2000
	Shell Truck Guard
Shipley Oil Co.	
Exxon	Exxon
Amoco	
Shotmeyer Bros. Petroleum Corp.	
Mobil	Mobil
SICO Co.	
Amoco (ur,up,usp)	Citgo
Exxon (ur,up,usp)	Valvoline
	Amoco
	Pennzoil
Simon Oil Co. Inc.	
Sunoco (ur,up,usp)	
Mobil (ur,up,usp)	
Atlantic (ur,up,usp)	
Sinclair Oil Corp.	
(r,ur,up,usp)	Sinclair
R.L. Smeltz Oil Co., Inc.	
Amoco	Amoco
Pennzoil	Pennzoil
Quaker State	
SOS Oil Corp	
Citgo (r,ur,up)	Beaver Weargard
Coastal	
Southern Counties Oil Co.	
Arco (ur,up)	All major and independent
Mobil (ur,up)	
Ultramar (ur,up,usp)	
Southern Oil Co., Inc.	
Exxon	Exxon
Southern	
Southern States Co-op	
Southern States	Co-op
The Spencer Co., Inc.	
Amoco (ur,r,o)	Amoco
Citgo (ur,r,o)	Citgo
M. Spiegel & Sons Oil Cop.	
Coastal	Weargard
Citgo	
Star Enterprise	
Texaco Unleaded	
Texaco Unleaded Plus	
Texaco Super Unleaded	
Star Oil Co.	
Shell (r,ur,up)	Shell
Steuart Petroleum Co.	
Happy Store (ur,up,usp)	Agip
Agip (ur,up,usp)	Mobil
Save More (ur,up,usp)	Citgo
Stevens Oil Co.	
Chevron (r,p,up,sp,usp,d)	Special
	Custom
	HDMO Supreme
Sugar Creek Corp.	
Mobil (ur,up,o)	Mobil
Sunoco (ur,up,usp)	Shell
Citgo (ur,up,usp)	Sunoco
	Emblem
Sumrall Oil Services, Inc.	
Unocal 76	
Conoco	
Sun Refining and Marketing Co.	
Sunoco & Atlantic (r)	Sun Lube
Blending Pump & Atlantic Super C	PlusSunoco Ultra
Sunoco Super, Sunoco Ultra, Atlantic Super	Atlantic Super
Atlantic Optima	Atlantic Economu
Sunoco Economy	Atlantic Optima
Sunshine Jr. Stores, Inc.	
Jr. (r,ur,up,usp)	Rally
Citgo (r,ur,up,usp)	Citgo
	Texaco-Havoline
	Quaker State
TCR, Inc.	
TCR (r,ur,p)	TCR
Taylor Oil Co.	
Etna (ur,up,usp)	
Tesoro Petroleum Corp.	
Tesoro (ur,usp)	Mobil
	Shell
	Arco
	Conoco
	Quaker State
Texaco Inc.	
Texaco (r,ur,up,sp,o)	URSA Oil Extra Plus
	URSA Oil Super Plus
	URSA Oil Premium
	Havoline Formula3
	Havoline Superior
Texas Star Oil Co.	
Citgo	
Texaco	
Thornhill Oil Co.	
Amoco (ur,up,usp)	Amoco
	Quaker State
Thornton Oil Corp.	
Thornton (r,ur,up)	
Thrifty Oil Co.	
Thrifty (r,ur,up,usp)	Thrifty
Time Saver Stores Inc.	
	Golden State
	Quaker State
	Pennzoil
TOC Retail, Inc. dba Majik Market	
Majik Market	Majik Market
Citgo	Citgo
Amoco	Amoco
Texaco	Texaco

Brand Names

Gasoline	Motor Oil
Tooley Oil Co.	
Shell (r,ur,sp,usp,d)	Shell
BP	BP
Total Petroleum, Inc.	
Total (r,up)	Total Big Value
Vickers (ur,up)	Total Golden Supreme
APCO	Total All Season
Road Runner (r,ur,up)	Total Quartz
	Total GTS Quality
	Total S-3 Plus (Fleet)
Transit Oil Co.	
Transit (r,ur)	Transit
Travelers Petroleum, Inc.	
Texaco (ur,up,sp)	
Self Way (ur,p,up)	
Trenton Oil Co. Inc.	
Amoco (ur,up,usp)	Amoco
Triton Inc.	
Happy (ur,up,usp)	Happy
Phillips (ur,up,usp)	Phillips
Triton Fuel Group	
Texaco	Chevron
Phillips	Mobil
Conoco	Valvoline
Chevron	
Ultra Power Corp.	
Gulf (r,ur,p,up,sp,usp,o)	Arco
Ultramar	
Ultramar (ur,up,asupreme)	Beacon
Beacon (ur,us,usupreme)	

Gasoline	Motor Oil
United Refining Co.	
Superkwik (ur,up,usp)	United
Unocal Corp.	
Unocal (ur,up,usp)	Unocal Custom
	Unocal Heavy Duty
	Unocal Premium
	Unocal Guardol
	Unocal Super 10W-30
	Unocal Super 10W-40
	Unocal 20W/50 High Performance
Vista Marketing Group Ltd.	
	Pennzoil
	Quaker State
Wake Up Oil Co.	
Wake Up (r,ur,usp)	Various
Warren Equities, Inc.	
Sunoco (ur,ultra)	Citgo
Citgo (ur,usp)	Sunoco
Mobil (ur,usp)	Mobil
Webster Oil Co.	
Phillips 66	Trop Artic
	Quaker
	Pennzoil
	Castrol
West Penn Oil Co., Inc.	
	Emblem Oil
Western Marketing, Inc.	
Conoco (r,ur,usp)	Delco
Shell (r,ur,usp)	Conoco Par
	Conoco Fleet
	Conoco Super

Gasoline	Motor Oil
	Conoco Fleet Supreme
	Shell Rotella
	Aero Shell
A. T. Williams Oil Co.	
Wilco (r, ur, up, usp)	Wilco
Texaco	
Citgo	
J.H. Williams Oil Co., Inc.	
Unocal (r,ur,up)	Unocal High Performance Motor Oil
	Unocal Super Motor Oil
	Unocal Guardo Motor Oil
The Wills Group, Inc	
Texaco	Havoline
Exxon	Superflo
Amoco	Amoco
Citgo	
Wooten Oil Company	
Citgo	
Texaco	
Amoco	
Phillips	
World Oil Co.	
World (r,ur,up,usp)	
Shell	
Arco	
Texaco	
Wright Industries, Inc.	
Citgo (r,ur,up)	Citgo
	Texaco

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- SOIL VACUUM EXTRACTION
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Capital Spending by Major Companies

Capital expenditures for the top 23 U.S. energy companies continued to increase in 1990, despite some unanticipated events—the Persian Gulf conflict, the onset of recession—that upset world oil markets during the latter half of the year.

According to the Energy Information Administration's (EIA) "Performance Profile of Major Energy Producers 1990," released earlier this year, capital outlays for the 23 "FRS" companies (EIA's shorthand for its mandated Financial Reporting System) totalled $45.5-billion in 1990, an increase of 1% over the previous year. However, setting aside the effect of cash allocated for mergers and acquisitions, capital investments in property, plant and equipment were up 18% for the year to the highest level since 1984.

Oil and gas production accounted for about half of the FRS companies' total 1990 capital investments, which were up 17% due to increased drilling, EIA says.

The EIA report underscores the growing importance of refining and marketing in major oil company investment agendas, particularly during the latter half of the 1980s. Worldwide expenditures for refining and marketing, again excluding mergers and acquisitions, increased by $2.5-billion, an impressive 38%, between 1989 and 1990. A large share of these expenditures went to upgrading refineries for the production of lighter products and the processing of heavier, more sulfurous crudes.

Domestic petroleum marketing capital expenditures for the 23 companies were $2.8-billion in 1990. Although there was little change in marketing investments from the levels of 1988 and 1989, EIA points out this investment pace is approximately twice the rate of expenditure for marketing during the first half of the decade. Due to lower prices and increased petroleum product demand, marketing has become an area of growth and profitable investment in recent years, EIA says.

Major Company Capital Expenditures, 1988 – 1990

(Billion Dollars)

Line of Business	1990	1989	1988	% Change 1989 vs. 1990	% Change Excluding Mergers and Acquisitions 1989 vs. 1990
Petroleum					
U.S. Petroleum					
Production	12.6	11.9	17.8	5.9	17.2
Refining/Marketing					
Refining	3.1	2.4	3.7	26.7	NA
Marketing	2.8	2.8	2.8	0.6	NA
Transport	0.3	0.3	0.3	0.0	NA
Total Refining/Marketing	**6.2**	**5.5**	**6.8**	**12.0**	**18.4**
Pipelines	1.1	0.7	0.7	58.3	64.7
Total U.S. Petroleum	**20.0**	**18.2**	**25.3**	**9.8**	**19.7**
Foreign Petroleum					
Production	10.1	12.4	10.3	(18.3)	0.6
Refining/Marketing	(3.0)	3.4	3.3	(11.3)	111.1
International Marine	0.2	0.2	0.2	(30.8)	(30.8)
Total Foreign Petroleum	**13.2**	**16.0**	**13.7**	**(17.0)**	**16.2**
Total Petroleum	**33.2**	**34.2**	**39.1**	**(2.7)**	**18.4**
Coal					
Total Coal	0.9	1.0	0.6	(10.7)	10.9
Other Energy					
Total Other Energy	0.2	0.2	0.4	0.0	—
Nonenergy					
Chemicals	7.8	6.3	7.2	23.7	23.7
Other Nonenergy	2.0	2.4	2.4	(19.0)	(15.1)
Total Nonenergy	**9.8**	**8.8**	**9.7**	**11.8**	**15.2**
Nontraceables	1.3	0.9	0.0	—	—
Additions to Investment in Place (a)	45.5	45.0	49.7	1.1	—
Additions Due to Mergers and Acquitions	3.8	9.7	15.8	(60.4)	—
Total Additions Excluding Mergers and Acquitions	41.7	35.3	33.8	17.9	—

(a) Measured as additions to PP&E plus additions to investments and advances.
NA = Not available. — = Not meaningful.
Note: Sum of components may not equal total due to independent rounding. Percent changes were calculated from unrounded data.
Source: Energy Information Administration, Performance Profiles of Major Energy Producers 1990, Table 6.

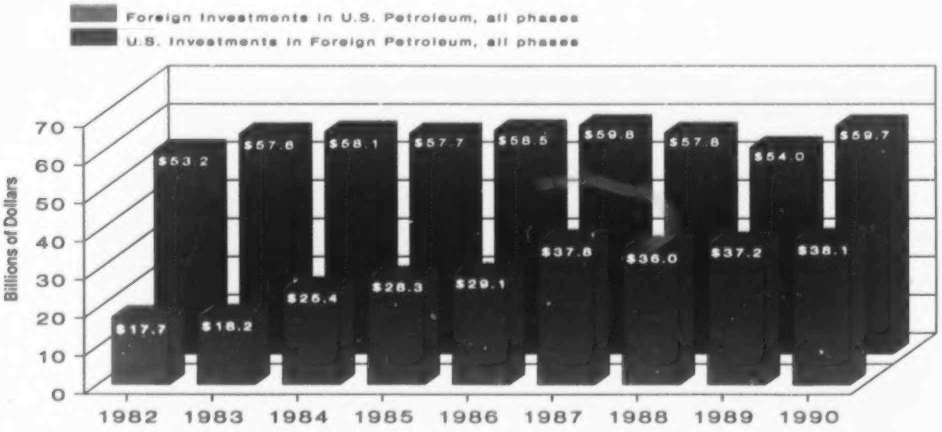
Foreign and U.S. Investments in Petroleum

It's perhaps too early to call it a trend, but direct investments by foreign companies in the U.S. petroleum industry (FDI) appear to have cooled down considerably after a notable surge in the mid and late 1980s. In fact, the percentage of foreign investments in this country's petroleum assets compared to the total FDI in the U.S. dropped to a shade over 9% in 1990, the lowest level in 16 years.

According to the Energy Information Administration's latest FDI study, additions to direct investments in petroleum abroad by U.S. companies in 1990 exceeded additions to FDI in the U.S. oil industry for the first time since 1982. U.S. investments in foreign oil were up almost $6-billion in 1990, the biggest jump in over 10 years. EIA notes that major oil companies invested almost 50% of their exploration and development capital in foreign locales in 1990, almost double the share they invested in the mid-1980s.

In recent years, foreign capital has been flowing mainly into the downstream sector of U.S. petroleum. The biggest FDI in 1990 involved the acquisition, for $675-million, by Petroleos de Venezuela (PDVSA) of the remaining 50% interest in Citgo Petroleum it did not already own.

The share of U.S. refining and marketing operations controlled by foreign affiliates continues to rise. The foreign share of domestic refining capacity, for example, increased to 28% in 1990. Foreign affiliates owned 40 refineries in 1990, one-fifth of the total for the United States. Gasoline sales of foreign-affiliated companies accounted for nearly one-third of the U.S. total, an increase of four percentage points over 1989.



Foreign Direct Investments in the U.S.

(Billions of Dollars)

Year	FDI in U.S. Petroleum	Total FDI in U.S.	% Petroleum of Total
1990	$38.0	$403.7	9.4%
1989 (a)	37.2	373.8	10.0
1988 (a)	36.0	314.8	11.4
1987 (a)	37.8	263.4	14.4
1986	29.1	220.4	13.2
1985	28.3	184.6	15.3
1984	25.4	164.6	15.4
1983	18.2	137.1	13.3
1982	17.7	124.7	14.2
1981	15.2	108.7	14.0
1980	12.2	83.0	14.7

U.S Direct Investments in Foreign Petroleum

(Billions of Dollars)

Year	U.S. Direct Investments in Foreign Oil	Total U.S. Investment Abroad	% Petroleum of Total
1990	$59.7	$421.5	14.2%
1989 (a)	54.0	370.1	14.6
1988 (a)	57.8	335.9	17.2
1987 (a)	59.8	314.3	19.0
1986	58.5	259.8	22.5
1985	57.7	230.2	25.1
1984	58.1	211.5	27.5
1983	57.6	207.2	27.8
1982	57.8	207.8	27.8
1981	53.2	228.3	23.3
1980	47.6	215.4	22.1

FDIs in Marketing, Refining and Production

	1990	1989 (a)	1988 (a)
Branded Retail Outlets			
FDI Companies	52,508	52,166	38,405
U.S. Total	210,120	111,657	112,000
% FDI of U.S. Total	25.0	46.7	34.3
Gasoline Supplied (000 bbl.)			
FDI Companies	2,282	2,084	7,673
U.S. Total	7,235	7,328	7,336
% FDI of U.S. Total	31.5	28.4	22.8
Refineries			
FDI Companies	40	37	36
U.S. Total	202	205	204
% FDI of U.S. Total	19.8	18.0	17.6
Crude Distillation Capacity (000 bbl.)			
FDI Companies	4,379	4,243	3,971
U.S. Total	15,676	15,572	15,655
% FDI of U.S. Total	27.9	27.2	25.4
Crude Oil and NGL Production (000 bbl.)			
FDI Companies	1,481	1,553	1,659
U.S. Total	8,994	9,219	9,818
% FDI of U.S. Total	16.5	16.8	16.9
Crude Oil and NGL Proved Reserves (000,000 bbl.)			
FDI Companies	6,294	6,438	6,436
U.S. Total	33,840	34,270	35,.63
% FDI of U.S. Total	18.6	18.8	18.4

(a) Revised.

Source (all tables): Energy Information Administration, "Profiles of Foreign Direct Investment in U.S. Energy 1990," Tables 1; 6-10, April 1992.

How Oil Companies Handle

	Branded Service Stations					
		How Supplied				Type of
Company	Total Branded Retail Outlets	Number of States Where Gasoline Brand Is Marketed (a)	Supplied Directly	Supplied Through Jobbers and Commissioned Agents	Leasee/ Dealer-Operated	Salary-Operated
Acme Petroleum Fuel Co.	125	2	117	8	49	68
Ada Resources	64	1	45	19	45	—
Advanced Oil Co.	15	1	—	15	—	15
Agway Petroleum Corp.	—	—	—	—	—	—
American Refining Group	8	2	8	—	—	5
Amoco Corp.	9,679	32	3,695	5,984	3,249	446
Anchor Gasoline Corp.	58	1	58	—	58	—
Arco	1,626	5	1,454	172	—	—
Arkansas Valley Petroleum	117	2	117	—	117	—
Truman Arnold Cos.	11	2	5	6	5	—
Asco Fuels, Inc.	2	1	2	—	—	—
Ashland Oil, Inc.	1,848	18	1,733	115	127	689
Aztex Enterprises	22	1	22	—	—	22
BP America, Inc.	7,499	33	2,298	5,201	1,157	893
Bagwell Oil Co., Inc.	27	2	12	—	—	—
E.M. Bailey	60	3	60	—	—	—
Bedford Valley Petroleum Corp.	42	3	42	—	36	6
Best Oil Co.	18	2	11	7	—	18
Bostick Brothers, Inc.	14	1	—	14	—	—
Bradley Petroleum, Inc.	60	3	60	—	17	43
Bray Terminals, Inc.	35	2	—	35	—	—
Brennan Petroleum Corp.	1	1	1	—	—	1
Broken Hill Prop./Pacific Resources	27	1	27	—	—	—
Browning Oil Co.	30	1	—	30	13	10
Buhrmaster Energy Group	5	1	5	—	5	—
Dennis K. Burke, Inc.	1	1	1	—	—	—
Bursaw Oil Corp.	46	2	46	—	2	—
By-Lo Oil Co.	17	1	17	—	—	17
Campbell Oil Co.	73	1	73	—	—	—
Cannon Oil Corp.	16	3	16	—	—	16
Cel Oil Products Corp.	8	1	—	—	—	—
Cenex	798	13	722	26	12	0
Center Independent Oil Co.	15	1	15	—	—	15
Certified Oil Co.	147	3	—	147	6	141
Champlain Oil Co.	115	4	—	—	—	—
Chapman, Inc.	72	3	72	—	42	10
Chevron Corp.	9,242(b)	32	3,074	6,168	8,566	676
Circle K Corp.	764	18	—	764	—	764
Citgo Petroleum Corp.	11,319	46	17	11,302	2	15
Clark Oil & Refining Corp.	887	12	887	—	11	876
Coast Oil Co.	72	1	72	—	43	29
The Coastal Corp.	962	34	632	330	51	—
The Coen Co.	100	1	100	—	97	3
Colonial Oil Industries, Inc.	57	3	57	—	—	—
Comet Oil Co.	3	2	—	3	—	—
Como Oil Co.	29	1	26	3	26	3
Conoco Inc.	4,612	36	—	—	—	—
Consumers Gasoline Stations, Inc.	64	4	64	—	—	64
Consumers Oil	41	2	—	—	—	—
Convenient Petroleum Corp.	—	—	—	—	—	—
Crown Central Petroleum Corp.	523	8	491	32	99	423
Crystal Flash Petroleum	21	1	25	—	—	25
C.S.C. Oil Co.	14	2	14	—	—	14
Curtis Parker Oil Co. Inc.	8	1	6	2	5	1
Dairy Mart Convenience Stores, Inc.	432	15	21	10	19	12
K.E. David, Ltd.	0	—	—	—	—	—
DeBlois Oil Co.	79	3	79	0	22	57
Diamond Shamrock, Inc.	1,918	8	763	1,155	0	763
Dickey, Inc.	3	1	3	—	—	—
Dixie Oil Co.	69	3	69	—	6	63
Drakes Refining Station, Inc.	10	1	10	—	—	—
East Coast Oil Corp.	44	1	44	—	—	44
Emro Marketing Co.	1,590	16	1,590	—	—	1,590
Englefield Oil Co.	85	2	85	—	—	76
Este Oils Co.	4	1	4	—	3	1
Exxon	10,876	39	3,728	7,148	3,211	517
Farm & Home Oil Co.	43	2	41	—	31	10
Farm Stores	10	1	—	10	—	—
Farm Industries	1,118	15	588	530	532	—
Fina, Inc.	2,919	25	142	2,877	3	138
Fleetman Inc., dba Fuelman	5	1	—	—	—	—
Flying J Inc.	93	25	60	33	—	60
Fortmeyer Inc.	2	1	2	—	—	—
H.N. Funkhouser & Co.	20	1	20	—	8	12
Gate Petroleum Co.	138	9	—	—	—	—
Getty Petroleum Corp.	2,038	12	1,294	—	1,122	21

(a) Includes District of Columbia.

(b) Excludes airport & marine outlets, new car dealerships & military exchanges.

Product Distribution — 1991

Branded Service Stations				Branded Jobbers/Commissioned Agents			
Operation	Gasoline Service			Number Selling...			
Commission-operated	Full-service only	Self-service only	Self-service Full-service	Total	Gasoline only	Fuel oil only	Gasoline/ Fuel oil
—	—	115	10	—	—	—	—
—	18	22	24	14	—	—	14
—	—	—	15	—	—	—	—
—	—	—	—	—	—	—	—
3	—	8	—	0	—	—	—
—	402	1,529	1,764	934	—	—	—
—	—	—	—	2	—	—	2
—	—	—	—	22	19	1(c)	2(d)
—	—	112	5	3	—	—	3
—	—	5	—	1	—	—	1
—	2	—	—	—	—	—	—
917	—	676	23	39	—	—	39
—	—	20	2	—	—	—	—
209	1,250	2,430	3,820	705	239	69	397
9	3	6	3	—	—	—	—
—	—	—	—	—	—	—	—
—	31	2	9	0	—	—	—
—	1	17	—	1	—	—	1
—	—	14	—	—	—	—	—
—	—	43	17	—	—	—	—
—	—	—	—	35	35	—	—
—	—	1	—	0	—	—	—
—	—	27	—	0	—	—	—
7	2	11	17	0	—	—	—
—	5	—	—	3	—	3	—
—	1	—	—	1	—	—	1
1	4	4	—	—	—	—	—
—	2	14	1	0	—	—	—
—	—	73	—	—	—	—	—
16	—	16	—	0	—	—	—
—	—	—	—	—	—	—	—
—	12	738	48	—	—	—	—
—	5	10	—	0	—	—	—
—	40	45	62	0	—	—	—
—	—	—	—	—	—	—	—
20	—	52	20	—	—	—	—
—	1,294	4,436	3,312	703	—	—	703
—	—	764	—	0	0	0	0
0	—	—	—	572	—	—	—
—	1	875	11	0	—	—	—
—	—	29	43	0	—	—	—
—	32	583	15	330	—	—	—
—	15	30	55	—	—	—	—
—	3	15	39	0	—	—	—
—	1	2	—	0	—	—	—
—	—	25	4	—	—	—	—
—	—	—	—	—	—	—	—
—	2	59	3	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
1	0	493	30	0	—	—	—
—	—	24	1	3	—	—	3
—	3	4	7	0	—	—	—
—	2	3	3	3	—	—	3
—	—	31	—	—	—	—	—
—	—	—	—	—	—	—	—
—	22	57	0	0	—	—	—
0	—	—	—	124	—	—	—
—	—	2	1	—	—	—	—
—	20	49	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	44	—	0	—	—	—
—	—	1,590	—	0	—	—	—
9	7	75	3	—	—	—	—
—	—	1	3	—	—	—	—
0	—	—	—	672	19	2	651
—	2	8	31	0	—	—	—
—	—	10	—	3	—	—	3
—	—	1,007	111	588	—	—	588
0	146	2,335	438	303	12	0	191
—	—	5	—	6	—	—	6
—	—	—	93	0	—	—	—
—	2	—	—	2	—	—	2
—	—	12	8	0	—	—	—
—	—	—	—	—	—	—	—
151	841	258	195	151	151	—	—

(c) Diesel only. (d) Gasoline only.

Bulk Plants				Terminals				
	Company-operated				Company-operated			
Total	Salary-operated	Commission-operated	Jobber-operated bulk plants	Total	Salary-operated	Commission-operated	Jobber-operated terminals	Company
1	1	—	1	1	1	—	1	**Acme Petroleum Fuel Co.**
3	2	1	10	—	—	—	—	**Ada Resources**
—	—	—	—	—	—	—	—	**Advanced Oil Co.**
—	—	—	—	—	—	—	—	**Agway Petroleum Corp.**
—	—	—	—	1	1	—	—	American Refining Group Inc.
—	—	—	—	86	86	—	—	Amoco Corp.
9	—	9	—	2	—	—	—	Anchor Gasoline Corp.
0	—	—	—	26	10	16(e)	—	Arco
0	—	—	3	0	—	—	0	**Arkansas Valley Petroleum**
4	1	1	2	4	4	—	0	**Truman Arnold Cos.**
3	3	—	—	2	2	—	—	**Asco Fuel Inc.**
126	—	126	—	30	—	—	0	**Ashland Oil Inc.**
—	—	—	—	—	—	—	—	Aztex Enterprises
66	—	66	250	52	52	—	2	BP America, Inc.
2	2	—	—	1	1	—	—	Bagwell Oil Co., Inc.
2	—	2	—	—	—	—	—	E.M. Bailey
0	—	—	—	0	—	—	0	**Bedford Valley Petroleum Corp.**
0	—	—	—	0	—	—	0	**Best Oil Co.**
2	—	—	—	1	1	—	—	**Bostick Brothers, Inc.**
—	—	—	—	—	—	—	—	**Bradley Petroleum, Inc.**
—	—	—	—	3	3	—	0	Bray Terminals, Inc.
0	—	—	0	0	—	—	0	Brennan Petroleum Corp.
0	—	—	—	0	—	—	—	Broken Hill Prop. Pacific Resources
1	1	—	0	0	—	—	—	Browning Oil Co.
5	—	—	1	—	—	—	—	**Buhrmaster Energy Group**
1	1	—	—	—	—	—	—	**Dennis K. Burke, Inc.**
—	—	—	—	—	—	—	—	**Bursaw Oil Corp.**
1	—	—	—	0	—	—	—	**By-Lo Oil Co.**
3	3	—	—	—	—	—	—	Campbell Oil Co.
0	—	—	—	0	—	—	0	Cannon Oil Corp.
1	1	—	—	0	—	—	0	Cel Oil Products Corp.
—	—	—	833	—	6	1	—	Cenex
1	1	—	0	1	1	—	0	**Center Independent Oil Co.**
0	—	—	—	1	1	—	0	**Certified Oil Co.**
—	—	—	—	—	—	—	—	**Champlain Oil Co.**
4	4	—	4	0	—	—	0	**Chapman, Inc.**
868	0	0	868	118	87	1	30	Chevron Corp.
0	0	0	0	0	0	0	0	Circle K Corp.
0	—	—	N/A	50	50	—	N/A	Citgo Petroleum Corp.
0	—	—	0	14	14	0	0	Clark Oil & Refining Corp.
1	1	0	—	0	—	—	0	**Coast Oil Co.**
—	—	—	—	240	—	—	—	**The Coastal Corp.**
1	1	—	—	—	—	—	—	**The Coen Co.**
1	1	—	—	2	2	—	—	**Colonial Oil Industries Inc.**
0	—	—	0	0	—	—	0	Comet Oil Co.
—	—	—	—	—	—	—	—	Como Oil Co.
—	—	—	—	—	—	—	—	Conoco Inc.
—	—	—	—	—	—	—	—	Consumers Gasoline Stations, Inc.
—	—	—	—	—	—	—	—	**Consumers Oil**
—	—	—	—	—	—	—	—	**Convenient Petroleum Corp.**
0	—	—	—	10	10	—	0	**Crown Central Petroleum Corp.**
4	1	3	0	0	—	—	—	**Crystal Flash Petroleum**
0	—	—	0	0	—	—	0	C.S.C. Oil Co.
3	1	2	1	0	—	—	0	Curtis Parker Oil Co., Inc.
0	—	—	—	0	—	0	0	Dairy Mart Convenience Stores
2	2	—	—	—	—	—		K.E. David, Ltd.
3	3	0	—	1	1	—	—	**DeBlois Oil Co.**
0	—	—	—	14	14	0	—	**Diamond Shamrock, Inc**
2	2	—	—	0	—	—	0	**Dickey, Inc.**
—	—	—	—	—	—	—	—	**Dixie Oil Co.**
—	—	—	—	—	—	—	—	Drakes Refining Station, Inc.
0	—	—	0	0	—	—	0	East Coast Oil Corp.
0	—	—	—	—	0	—	—	Emro Marketing Co.
8	8	—	—	—	—	—	—	Englefield Oil Co.
—	—	—	0	1	1	—	—	**Este Oils Co.**
0	—	—	0	47	47	0	—	**Exxon**
3	3	—	—	1	1	—	—	**Farm & Home Oil Co.**
0	—	—	—	0	—	—	—	**Farm Stores**
—	—	—	—	—	—	—	0	Farmland Industries
0	—	—	151	6	6	0	1	Fina, Inc.
—	—	—	—	0	—	—	—	Fleetman, Inc. dba Fuelman
—	—	—	—	—	—	—	—	Flying J Inc.
3	—	2	1	—	—	—	—	**Fortmeyer, Inc**
3	—	—	—	0	—	—	0	**H.N. Funkhouser & Co.**
—	—	—	—	—	—	—	—	**Gate Petroleum Co.**
0	—	—	—	34	27	—	—	**Getty Petroleum Corp.**

(e) Other.

How Oil Companies Handle

	Branded Service Stations					
	How Supplied					Type of
Company	Total Branded Retail Outlets	Number of States Where Gasoline Brand Is Marketed (a)	Supplied Directly	Supplied Through Jobbers and Commissioned Agents	Leasee/ Dealer-Operated	Salary-Operated
Giant Industries, Inc.	44	3	—	—	—	—
Global Petroleum Corp.	144	10	144	0	9	31
Golub Corp.	12	2	12	—	—	12
Gresham Petroleum Co.	35	1	35	—	12	23
Guttman Oil Co.	72	3	36	36	36	—
Harris Oil Co.	34	1	34	—	14	4
Hawaiian Independent Refinery	28	1	28	—	—	28
Highway Oil, Inc.	174	22	174	—	—	174
Angus I. Hines, Inc.	62	3	62	—	1	1
Barney Holland Oil Co.	75	1	75	—	75	—
Horkey Oil Co., Inc.	35	1	35	—	10	25
Hough Petroleum	51	2	51	—	42	—
Huck's Convenience Stores	101	5	95	6	—	—
Hudson Oil Co.	11	2	11	—	—	11
Hull Oil Co.	24	1	15	9	—	7
Hunt Refining Co.	—	—	—	—	—	—
Jacobus Petroleum Products, Inc.	42	1	—	—	33	9
J.D. Streett & Co. Inc.	—	—	—	—	—	—
J&L Oil Inc.	54	3	54	—	2	52
Johnson Products, Inc.	—	—	—	—	—	—
JS&J Service, Inc.	3	2	3	—	—	—
Kelley Williamson Co.	—	—	—	—	—	—
Kelso Oil Co., Inc. dba Pride Oil	12	1	12	—	10	2
Kent Distributors, Inc.	23	1	22	1	—	23
Kerr-McGee Refining Corp.	1,313	13	80	1,233	22	58
Kimber Petroleum Corp.	75	1	75	—	55	20
Kocolene Oil Corp.	73	4	73	—	—	73
Krause Gentle Corp.	91	2	91	—	—	91
Kwik Shop Inc.	208	5	—	—	—	—
Lakeside Oil Co. Inc.	130	1	—	—	—	—
Carlos R. Leffler	210	1	120	—	60	60
H.C. Lewis Oil Co.	27	1	27	—	18	6
Lyden Co.	100	1	100	—	45	55
Manassas Ice & Fuel Co., Inc.	—	—	—	—	—	—
Marathon Oil Co.	2,106	9	498	1,608	498	—
Martin Oil Marketing, Ltd.	43	2	43	—	—	43
Mauger & Co.	—	—	—	—	—	—
McLeieer Oil, Inc.	40	1	—	40	—	—
Merchants Oil, Inc.	—	—	—	—	—	—
Merritt Truax Inc.	33	1	7	26	—	—
MFA Oil Co.	250	1	250	—	184	66
Mid-Missouri Oil Co.	13	1	—	—	7	6
Mid-States Petroleum	129	3	121	8	78	38
Midwest Petroleum Co.	102	2	102	—	45	57
Miller Enterprises Inc.	121	1	112	9	—	—
Miller Oil Co.	85	2	85	—	27	34
Mini-Mart Inc.	107	6	81	26	—	85
Missouri Terminal Oil Co.	14	1	14	0	9	0
Mobil Oil Co.	9,068	34	4,292	4,776	2,493	761
Moto, Inc. (FKG Oil Co.)	—	—	—	—	—	—
Munroe Petroleum Terminal Corp.	27	1	—	—	—	—
Murphy Oil USA, Inc.	623	14	—	—	—	—
National Convenience Stores, Inc.	—	—	—	—	—	—
National Oil & Gas Inc.	90	2	90	—	90	—
Neal, Inc.	25	1	25	—	—	—
Nella Oil Co.	25	1	25	—	—	25
Newell Oil Co., Inc.	11	1	11	—	6	0
NOCO Energy Corp.	33	1	33	—	—	33
Northville Industries Corp.	105	2	105	—	94	11
Pal Oil Company Inc.	64	1	64	—	—	9
Parker Oil Co. Inc.	75	3	75	—	75	—
Patterson Oil Co., Inc.	32	1	32	—	16	16
Peavey Oil Co.	9	1	—	—	—	—
Pennzoil Products Co.	393	8	—	—	—	—
Petro USA (Petroleum Sales & Service)	40	1	—	—	—	—
Petroleum Marketers, Inc.	142	3	142	—	90	52
Petroleum Products Corp.	61	4	6	55	—	—
Phillips 66 Co.	7,474	29	—	—	—	—
Piasa Motor Fuels Inc.	18	2	18	—	13	5
Pilot Corp.	90	24	90	—	—	90
Pride Oil Co. Inc. (Miss.)	14	2	14	—	—	—
Private Brand Services, Inc.	1	1	1	—	1	—
Pyramid Oil Co.	30	1	27	3	26	1
Quality Oil Co.	115	1	115	—	75	40
Quarles Petroleum	50	3	50	—	—	—
Quicktrip Corp.	293	6	293	—	—	293

Product Distribution (Cont.)

Branded Service Stations				Branded Jobbers/Commissioned Agents			
Operation	Gasoline Service			Number Selling...			
Commission-operated	Full-service only	Self-service only	Self-service Full-service	Total	Gasoline only	Fuel oil only	Gasoline/ Fuel oil
—	—	—	—	—	—	—	—
8	—	—	—	0	—	—	—
—	—	2	10	—	—	—	—
—	10	25	—	0	—	—	—
—	20	14	2	60	—	—	60
16	17	—	—	—	—	—	—
—	—	28	—	16	16	—	—
—	80	17	77	0	—	—	—
11	4	58	—	0	—	—	—
—	—	—	—	1	1	—	—
—	—	32	3	—	—	—	—
9	51	—	—	0	—	—	—
—	—	101	—	4	4	—	—
—	—	3	8	—	—	—	—
8	—	23	1	1	—	—	1
—	—	—	—	—	—	—	—
—	—	32	10	5	—	2	3
—	—	—	—	—	—	—	—
—	1	53	—	0	—	—	—
—	—	—	—	—	—	—	—
—	—	—	3	—	—	—	—
—	—	—	—	—	—	—	—
—	11	—	1	0	—	—	—
—	—	23	—	—	—	—	—
—	79	788	446	366	10	14	342
—	75	—	—	0	—	—	—
—	—	5	68	0	—	—	—
—	2	89	0	0	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	20	95	—	—	—	—	—
3	—	12	15	0	—	—	—
—	—	55	45	—	—	—	—
—	—	—	—	—	—	—	—
—	210	316	1,580	264	—	—	264
—	—	43	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	36	4	2	—	—	2
—	—	—	—	—	—	—	—
7	33	—	—	—	—	—	—
—	120	130	—	7	—	—	—
—	—	12	1	—	—	—	—
5	46	44	38	7	—	1	6
—	—	62	40	0	—	—	—
—	—	121	—	—	—	—	—
—	—	—	—	—	—	—	—
22	—	107	—	0	—	—	—
5	1	10	3	3	0	0	3
—	—	—	—	1,090	0	677	413
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	80	10	15	—	—	15
—	—	—	—	—	—	—	—
—	—	25	—	16	—	—	16
5	0	8	3	5	5	0	0
—	9	24	—	6	—	—	6
—	42	13	50	0	—	—	—
5	15	37	12	1	—	—	1
—	—	70	5	—	—	—	—
0	6	12	14	0	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	10	—	—	—
—	—	142	—	—	—	—	—
—	—	56	5	11	—	—	11
—	—	—	—	1,063	—	—	—
—	—	9	9	3	—	—	3
—	—	90	—	0	—	—	—
14	—	13	1	—	—	—	—
—	—	1	—	0	—	—	—
—	27	—	—	—	—	—	—
—	45	—	—	0	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—

Bulk Plants				Terminals				
	Company-operated				Company-operated			
Total	Salary-operated	Commission-operated	Jobber-operated Bulk plants	Total	Salary-operated	Commission-operated	Jobber operated Terminals	Company
—	—	—	—	—	—	—	—	**Giant Industries, Inc.**
—	—	—	—	0	—	—	0	**Global Petroleum Corp.**
—	—	—	1	—	—	—	1	**Golub Corp.**
4	4	—	—	—	—	—	—	**Gresham Petroleum Co.**
2	—	—	0	4	—	—	0	Guttman Oil Co.
—	—	—	—	—	—	—	—	Harris Oil Co.
—	—	—	—	4	4	0	0	Hawaiian Independent Refinery
0	—	—	0	0	—	—	0	Highway Oil, Inc.
4	—	—	0	0	—	—	0	**Argus I. Hines, Inc.**
2	—	—	—	—	—	—	—	**Barney Holland Oil Co.**
2	2	—	—	0	—	—	0	**Horkey Oil Co., Inc.**
1	1	—	0	0	—	—	0	**Hough Petroleum**
—	—	—	—	—	—	—	—	Huck's Convenience Stores
—	—	—	—	—	—	—	—	Hudson Oil Co.
0	—	—	1	0	—	—	0	Hull Oil Co.
—	—	—	—	—	—	—	—	Hunt Refining Co.
—	—	—	—	2	2	—	—	**Jacobus Petroleum Products, Inc.**
—	—	—	—	—	—	—	—	**J.D. Strieet & Co., Inc.**
0	—	—	—	0	—	—	—	**J&L Oil Inc.**
—	—	—	—	—	—	—	—	**Johnson Products, Inc.**
—	—	—	—	—	—	—	—	JS&J Service, Inc.
—	—	—	—	—	—	—	—	Kelley Williamson Co.
0	—	—	—	0	—	—	—	Kelso Oil Co. Inc. dba Pride Oil
—	—	—	—	—	—	—	—	Kent Distributors, Inc.
129	—	—	129	1	—	—	1	**Kerr-McGee Refining Corp.**
0	—	—	0	0	—	—	0	**Kimber Petroleum Corp.**
0	—	—	—	0	—	—	0	**Kocolene Oil Corp.**
0	—	—	—	0	—	—	—	**Krause Gentle Corp.**
—	—	—	—	—	—	—	—	Kwik Shop
—	—	—	—	—	—	—	—	Lakeside Oil Co., Inc.
3	3	—	3	3	3	—	3	Carlos R. Leffler
1	1	—	0	—	—	0	0	H.C. Lewis Oil Co.
—	—	—	—	0	—	—	0	**Lyden Co.**
3	2	—	1	—	—	—	—	**Manassas Ice & Fuel Co., Inc.**
312	—	—	312	—	—	—	—	**Marathon Oil Co.**
—	—	—	—	2	1	1	—	**Martin Oil Marketing, Ltd.**
—	—	—	—	—	—	—	—	Mauger & Co.
3	3	—	1	0	—	—	0	McLeieer Oil , Inc.
—	—	—	—	—	—	—	—	Merchants Oil, Inc.
1	—	1	—	—	—	—	—	Merritt Traux, Inc.
120	—	—	7	0	—	—	0	**MFA Oil Co.**
0	—	—	0	—	—	—	—	**Mid-Missouri Oil Co.**
11	7	—	4	1	—	1	0	**Mid-States Petroleum**
0	—	—	—	0	—	—	0	**Midwest Petroleum Co.**
—	—	—	—	—	—	—	—	Miller Enterprises Inc.
3	3	—	—	1	1	—	—	Miller Oil Co.
0	—	—	0	0	—	—	0	Mini-Mart Inc.
0	0	0	5	1	1	0	0	Missouri Terminal Oil Co.
0	0	0	0	107	57	0	0	**Mobil Oil Co.**
—	—	—	—	—	—	—	—	**Moto, Inc. (FKG Oil Co.)**
1	1	—	—	1	1	—	—	**Munro Petroleum Terminal Corp.**
—	—	—	—	—	—	—	—	**Murphy Oil USA, Inc.**
—	—	—	—	—	—	—	—	National Convenience Stores, Inc.
10	—	10	—	0	—	—	—	National Oil & Gas Inc.
—	—	—	—	—	—	—	—	Neal, Inc.
0	—	—	0	0	—	—	0	Nella Oil Co.
1	1	—	—	—	—	—	—	**Newell Oil Co., Inc.**
1	1	—	6	1	1	—	0	**NOCO Energy Corp.**
0	—	—	0	4	4	—	0	**Northville Industries Corp.**
2	2	—	2	1	1	—	2	**Pal Oil Company Inc.**
9	9	—	—	1	1	0		Parker Oil Co., Inc.
1	—	—	—	0	—	—	0	Patterson Oil Co., Inc.
1	1	—	1	—	—	—	—	Peavey Oil Co.
—	—	—	—	—	—	—	—	Pennzoil Products Co.
—	—	—	—	—	—	—	—	**Petro USA (Petroleum Sales & Service)**
7	7	—	—	0	—	—	—	**Petroleum Marketers, Inc.**
8	8	—	6	5	5	—	0	**Petroleum Products Corp.**
—	—	—	—	—	—	—	—	**Phillips 66 Co.**
2	1	1	2	1	1	—	—	Piasa Motor Fuels, Inc.
0	—	—	—	0	—	—	—	Pilot Corp.
0	—	—	—	0	—	—	—	Pride Oil Co. Inc. (Miss.)
0	—	—	—	0	—	—	—	Private Brand Services, Inc.
—	—	—	—	—	—	—	—	**Pyramid Oil Co.**
3	3	—	—	—	—	—	—	**Quality Oil Co.**
7	—	—	—	2	—	—	—	**Quarles Petroleum**
—	—	—	—	—	—	—	—	**Quicktrip Corp.**

How Oil Companies Handle

	Branded Service Stations					
			How Supplied			Type of
Company	Total Branded Retail Outlets	Number of States Where Gasoline Brand Is Marketed (a)	Supplied Directly	Supplied Through Jobbers and Commissioned Agents	Leasee/ Dealer-Operated	Salary-Operated
Red Hed Oil Co., Inc.	35	1	35	—	9	9
Redwood Oil Co. Inc.	85	1	85	—	70	15
Reinauer Petroleum Co.	7	1	7	—	7	—
Reinhardt Corp.	8	1	8	—	6	2
Reynold Industries, Inc.	—	—	—	—	—	—
Rich Oil, Inc.	91	3	91	—	—	91
River Oil Co.	38	2	33	5	29	4
Roach Oil Co.	11	2	11	—	5	6
Robinson Oil Co., Inc.	23	1	23	—	—	23
Ross Service Center	1	1	—	1	—	—
Royster Oil Co. Inc.	24	1	—	24	—	—
Russell Petroleum Corp.	36	1	36	—	9	17
Sahara Oil Co., Inc.	25	1	25	—	9	9
Santa Fuel, Inc.	56	3	56	—	50	6
Santee Oil Co. Inc.	9	1	9	—	5	4
Save-X USA, Inc.	10	1	10	—	—	10
SCASCO	32	1	32	—	17	5
Schaeffer Oil, Inc.	—	—	—	—	—	—
Sears Oil Co., Inc.	9	1	—	—	—	—
Shay Oil Co., Inc.	18	1	18	—	1	17
Shelby Petroleum Corp.	20	2	20	—	—	—
Shell Oil Co.	8,975	41	4,243	4,732	4,033	210
Shipley Oil Co.	30	1	30	—	4	24
Shotmeyer Bros. Petroleum Corp.	64	1	64	—	41	—
The SICO Co.	131	3	131	—	42	29
Simon Oil Co. Inc.	100	1	100	—	—	—
Sinclair Oil Corp.	2,490	21	300	2,190	50	260
R.L. Smeltz Oil Co., Inc.	19	1	19	—	—	—
SOS Oil Corp.	50	1	50	—	50	—
Southern Countries Oil Co.	5	1	5	—	—	5
Southern Oil Co., Inc.	10	1	—	10	—	—
The Spencer Cos	56	1	56	—	14	14
M. Spiegel & Sons Oil Corp.	50	1	50	—	50	—
SSG Corp.	32	2	—	—	—	—
Star Enterprise	8,653	25	2,045	6,608	763	661
The Star Oil Co.	22	1	22	—	22	—
Steuart Petroleum Co.	67	6	67	—	—	67
Stevens Oil Co.	37	2	—	37	37	—
Sugarcreek Corp.	280	2	280	—	143	105
Sumrall Oil Services, Inc.	20	1	—	20	—	—
Sun Company, Inc.	5,854	27	2,647	3,207	2,195	452
Sunshine Jr. Stores, Inc.	—	—	—	—	—	—
Taylor Oil Co.	62	2	62	—	—	—
Tesoro Petroleum	100	1	42	58	10	32
Texaco Inc.	4,934(f)	24	1,280	3,654	708	481
Texas Star Oil Co.	15	1	15	—	—	—
Thornhill Oil Co. Inc.	29	1	8	21	—	8
Thrifty Oil Co.	250	1	—	—	—	—
Time Saver Store	23	1	—	23	—	—
TOC Retail, Inc. dba Majik Market	306	10	306	—	—	306
Tooley Oil Co.	6	1	6	—	—	6
Tosco Corp.	0	—	—	—	—	—
Total Petroleum, Inc.	2,776	22	647	2,129	0	635
Town Pump Inc. & Affiliates	62	1	—	—	—	—
Transit Oil Co.	—	—	—	—	—	—
Travelers Petroleum, Inc.	16	1	16	—	—	16
Trenton Oil Co.	30	1	30	—	15	—
Triton Inc.	29	3	29	—	3	26
Triton Fuel Group	—	—	—	—	—	—
Ultramar	400	1	350	50	20	180
Ultra Power Corp.	6	1	6	—	2	—
Uni-Marts, Inc	475	6	—	—	—	—
United Refining Co.	403	3	341	62	—	341
Unocal Corp.	1,931(g)	7	672	1,259	645	27
V-1 Oil Co.	36	6	36	—	4	32
Vista Marketing Group Ltd.	17	4	17	—	—	16
Waco Oil Co., Inc.	15	2	—	—	—	—
Wake Up Oil Co., Inc.	37	1	37	—	1	36
Warren Equities, Inc.	258	8	258	—	60	198
Webster Oil Co.	3	1	3	—	—	—
Wesson Inc.	40	1	40	—	25	12
A.T. Williams Oil Co.	104	2	—	16	—	—
J.H. Williams Oil Co., Inc.	83(h)	1	83	0	77	6
The Wills Group, Inc.	104	4	95	—	30	55
Wooten Oil Co.	54	3	54	—	—	23
Wright Industries, Inc.	4	1	4	—	4	—

(f) Does not include Star Enterprise. (g) Unocal Western Marketing only–does not includes UNO-VEN or Southeast Marketing. (h) Includes marinas.

Product Distribution (Cont.)

Branded Service Stations				Branded Jobbers/Commissioned Agents			
Operation	Gasoline Service				Number Selling...		
Commission-operated	Full-service only	Self-service only	Self-service Full-service	Total	Gasoline only	Fuel oil only	Gasoline/ Fuel oil
17	3	29	3	0	—	—	—
0	0	30	55	3	—	—	3
—	7	—	—	0	—	—	—
—	3	5	—	—	—	—	—
—	—	—	—	—	—	—	—
—	9	—	82	—	—	—	—
—	—	14	19	1	—	—	—
—	2	1	8	0	—	—	—
—	—	23	—	0	—	—	—
—	—	—	1	—	—	—	—
—	4	14	6	—	—	—	—
10	—	36	—	—	—	—	—
7	2	20	3	2	—	—	2
—	—	—	56	—	—	—	—
—	—	6	3	—	—	—	—
—	—	10	—	—	—	—	—
10	14	16	2	2	—	2	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	18	—	—	—	—	—
—	20	—	—	—	—	—	—
0	293(i)	1,969(i)	1,981(i)	370	—	—	—
2	—	30	—	—	—	—	—
23	64	—	—	0	—	—	—
60	34	97	—	0	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	15	10	25	0	—	—	—
—	—	5	—	0	—	—	—
—	3	6	1	—	—	—	—
28	7	45	4	2	2	—	—
—	15	10	25	—	—	—	—
—	—	—	—	—	—	—	—
0	394	4,764	3,495	492	242	1	249
—	—	11	11	0	—	—	—
—	—	67	—	0	—	—	—
—	—	10	27	0	—	—	—
32	10	170	100	2	—	—	2
—	—	20	—	—	—	—	—
—	—	—	—	3,207	—	—	—
—	—	—	—	—	—	—	—
62	—	62	—	62	62	—	—
0	20	40	40	13	0	0	13
91	451	2,754	1,729	373	—	—	373
—	—	—	—	0	—	—	—
—	1	25	3	—	—	—	—
—	—	—	—	—	—	—	—
—	—	23	—	—	—	—	—
—	—	306	—	—	301	—	5
—	—	6	—	—	—	—	—
—	—	—	—	—	—	—	—
12	2,576	200	427	—	—	427	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	16	—	—	—	—	—
15	30		0	—	—	—	—
—	—	29	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	400	—	0	—	—	—
—	2	4	—	6	6	—	—
—	—	—	—	—	—	—	—
—	201	202	—	—	48	1	12
—	331	176	1,424	82(j)	9	—	—
—	—	—	—	—	—	—	—
—	—	17	—	0	—	—	—
—	—	—	—	—	—	—	—
—	2	7	28	0	—	—	—
—	91	166	1	0	—	—	—
—	—	3	—	—	—	—	—
3	10	15	15	0	—	—	—
—	—	—	—	—	—	—	—
0	33	28	13	0	0	0	0
10	0	75	20	0	—	—	—
—	7	46	1	0	—	—	—
—	—	—	4	0	—	—	—

(i) Direct supply only.. (j) 73 lube only.

Bulk Plants				Terminals				
	Company-operated				Company-operated			
Total	Salary-operated	Commission-operated	Jobber-operated Bulk plants	Total	Salary-operated	Commission-operated	Jobber operated Terminals	Company
0	—	—	—	0	—	—	—	**Red Hed Oil Co., Inc.**
15	12	3	—	0	—	—	0	**Redwood Oil Co., Inc.**
0	—	—	—	0	—	—	—	**Reinauer Petroleum Co.**
4	4	—	—	—	—	—	—	**Reinhardt Corp.**
—	—	—	—	—	—	—	—	Reynolds Industries, Inc.
—	—	—	—	—	—	—	—	Rich Oil, Inc.
3	—	1	—	—	—	—	—	River Oil Co.
1	1	—	0	0	—	—	0	Roach Oil Co.
0	—	—	—	—	—	0	0	**Robinson Oil Co., Inc.**
—	—	—	—	—	—	—	1	**Ross Service Center**
3	3	—	—	—	—	—	—	**Royster Oil Co., Inc.**
1	1	—	—	—	—	—	—	**Russell Petroleum Corp.**
2	—	2	—	—	—	—	—	Sahara Oil Co., Inc.
3	3	—	—	—	—	—	—	Santa Fuel, Inc.
1	1	—	—	—	—	—	—	Santee Oil Co., Inc.
—	—	—	—	—	—	—	—	Save-X USA, Inc.
4	3	1	0	—	—	—	—	**SCASCO**
—	—	—	—	—	—	—	—	**Schaeffer Oil, Inc.**
4	4	—	—	—	—	—	—	**Sears Oil Co. Inc.**
2	1	—	1	—	—	—	—	**Shay Oil Co., Inc.**
—	—	—	—	—	—	—	—	Shelby Petroleum Corp.
—	—	—	386	87	62	25	—	Shell Oil Co.
10	10	—	0	0	—	—	0	Shipley Oil Co.
0	—	—	—	0	—	—	0	Shotmeyer Bros. Petroleum Corp.
9	9	—	0	1	1	—	0	**The SICO Co.**
—	—	—	—	—	—	—	—	**Simon Oil Co., Inc.**
—	—	—	—	100	12	—	—	**Sinclair Oil Corp.**
—	—	—	—	—	—	—	—	**R.L. Smeltz Oil Co., Inc.**
1	1	—	0	0	—	—	0	SOS Oil Corp.
4	—	—	0	0	—	—	0	Southern Counties Oil Co.
—	—	—	—	—	—	—	—	Southern Oil Co. Inc.
0	—	—	—	0	—	—	—	The Spencer Cos.
1	—	—	—	0	—	—	—	**M. Spiegel & Sons Oil Corp.**
—	—	—	—	—	—	—	—	**SSG Corp.**
0	0	0	365	102	47	0	2	**Star Enterprise**
1	0	0	1	0	—	—	0	**The Star Oil Co.**
0	—	—	0	6	6	0	0	Steuart Petroleum Co.
1	—	—	0	0	—	—	0	Stevens Oil Co.
10	10	—	2	2	2	—	0	Sugarcreek Corp.
0	—	—	0	0	—	—	0	Sumrall Oil Services, Inc.
—	—	—	—	47	—	—	—	**Sun Company, Inc.**
—	—	—	—	—	—	—	—	**Sunshine Jr. Stores, Inc.**
0	—	—	—	0	—	—	—	**Taylor Oil Co.**
0	—	—	15	8	7	0	5	**Tesoro Petroleum Corp.**
0	—	—	345	44	44	0	0	Texaco, Inc.
0	0	—	—	0	—	—	0	Texas Star Oil Co.
4	4	—	—	—	—	—	—	Thornhill Oil Co., Inc.
—	—	—	—	—	—	—	—	Thrifty Oil Co.
—	—	—	—	—	—	—	—	**Time Saver Store**
—	—	—	—	—	—	—	—	**TOC Retail Inc., dba Majik Market**
—	—	—	—	—	—	—	—	**Tooley Oil Co.**
—	—	—	—	22	4	—	—	**Tosco Corp.**
—	—	—	—	10	10	—	—	Total Petroleum, Inc.
—	—	—	—	—	—	—	—	Town Pump Inc. & Affiliates
—	—	—	—	—	—	—	—	Transit Oil Co.
—	—	—	—	—	—	—	—	Travelers Petroleum, Inc.
—	—	—	—	—	—	—	—	**Trenton Oil Co.**
—	—	—	—	—	—	—	—	**Triton, Inc.**
—	—	—	—	—	—	—	—	**Triton Fuels, Inc.**
0	—	—	20	0	—	—	0	**Ultramar**
1	0	0	0	0	—	—	0	UltraPower Corp.
—	—	—	—	—	—	—	—	Uni-Marts, Inc.
0	—	—	—	1	1	—	0	United Refining Co.
118(k)	1	—	80	12	12	—	N/A	Unocal Corp.
—	—	—	—	—	—	—	—	**V-1 Oil Co.**
1	0	0	0	0	—	—	0	**Vista Marketing Group Ltd.**
—	—	—	—	—	—	—	—	**Waco Oil Co., Inc.**
0	—	—	0	—	—	—	—	**Wake Up Oil Co., Inc.**
3	3	—	—	1	1	—	0	Warren Equities, Inc.
—	1	—	—	—	—	—	—	Webster Oil Co.
1	1	—	—	—	—	—	—	Wesson Inc.
—	—	—	—	—	—	—	—	A.T. Williams Oil Co.
3	3	0	0	0	0	0	0	**J.H. Williams Oil Co., Inc.**
12	9	1	—	1	1	—	—	**The Willis Group, Inc.**
—	—	—	—	—	—	—	—	**Wooten Oil Co.**
0	—	—	—	0	—	—	—	**Wright Industries, Inc.**

(k) Includes 103 distributors on a lease basis.

Branded Retail Outlets

Company	Total Branded Retail Outlets	Number of States Where Gasoline Brand Is Marketed	New England						Middle Atlantic				
			ME	NH	VT	MA	RI	CT	NY	NJ	PA	DE	MD
Acme Petroleum Fuel Co.	125	2	—	—	—	—	—	—	—	—	—	—	—
Ada Resources	64	1	—	—	—	—	—	—	—	—	—	—	—
Advanced Oil Co.	15	1	—	—	—	—	—	—	15	—	—	—	—
Amoco Corp.	9,679	32	—	—	—	—	—	49	329	312	434	22	244
Anchor Gasoline Corp	58	1	—	—	—	—	—	—	—	—	—	—	—
Arco	1,626(a)	5	—	—	—	—	—	—	—	—	—	—	—
Arkansas Valley Petroleum	117	2	—	—	—	—	—	—	—	—	—	—	—
Ashland Oil Inc.	1,848	18	—	—	—	—	—	—	—	—	21	—	—
Aztex Enterprises	22	1	—	—	—	—	—	—	—	—	—	—	—
BP America	7,499	33	7	8	35	54	—	60	63	64	281	9	17
Bagwell Oil Co., Inc.	27	2	—	—	—	—	—	—	—	—	—	—	1
Bedford Valley Petroleum Corp.	42	3	—	—	—	—	—	—	—	—	25	—	12
Best Oil Co.	18	2	—	—	—	—	—	—	—	—	17	—	—
Bostick Brothers, Inc.	14	1	—	—	—	—	—	—	—	—	—	—	—
Bradley Petroleum, Inc.	60	3	—	—	—	—	—	—	—	—	—	—	—
Bray Terminals, Inc.	35	2	—	—	3	—	—	—	32	—	—	—	—
Broken Hill Prop./Pacific Resources	27	1	—	—	—	—	—	—	—	—	—	—	—
Browning Oil Co.	30	1	—	—	—	—	—	—	—	—	—	—	—
Bursaw Oil Corp.	46	2	—	2	—	44	—	—	—	—	—	—	—
By-Lo Oil Co.	17	1	—	—	—	—	—	—	—	—	—	—	—
Campbell Oil Co.	73	1	—	—	—	—	—	—	—	—	—	—	—
Cannon Oil Corp.	16	3	—	—	—	—	—	—	—	—	—	—	—
Cenex	798	13	—	—	—	—	—	—	—	—	—	—	—
Center Independent Oil Co.	15	1	—	—	—	—	—	—	—	—	15	—	—
Certified Oil Co.	147	3	—	—	—	—	—	—	—	—	—	—	—
Champlain Oil Co.	115	4	—	20	88	2	—	—	5	—	—	—	—
Chapman, Inc.	72	3	—	—	—	—	—	—	—	—	—	—	—
Chevron Corp.	9,242(b)	32	—	—	—	—	—	—	—	—	2	—	127
Circle K Corp.	764	18	1	—	—	4	—	—	—	—	—	—	—
Citgo Petroleum Corp.	11,319	46	226	140	93	378	50	267	727	219	570	32	215
Clark Oil & Refining Corp.	887	12	—	—	—	—	—	—	—	—	5	—	—
Coast Oil Co.	72	1	—	—	—	—	—	—	—	—	—	—	—
The Coastal Corp.	962	34	5	2	2	7	1	4	69	63	40	—	3
The Coen Co.	100	1	—	—	—	—	—	—	—	—	—	—	—
Colonial Oil Industries, Inc.	57	3	—	—	—	—	—	—	—	—	—	—	—
Como Oil Co.	29	1	—	—	—	—	—	—	—	—	—	—	—
Conoco Inc.	4,612	36	—	—	—	—	—	—	—	—	—	—	—
Consumers Gasoline Stations, Inc.	64	4	—	—	—	—	—	—	—	—	—	—	—
Consumers Oil	30	1	—	—	—	—	—	—	—	30	—	—	—
Crown Central Petroleum Corp.	523	8	—	—	—	—	—	—	—	—	2	—	97
Crystal Flash Petroleum Corp.	25	1	—	—	—	—	—	—	—	—	—	—	—
CSC Oil Co.	14	2	—	—	—	—	—	—	—	—	—	—	—
Dairy Mart Convenience Stores	432	15	—	4	—	14	3	29	12	—	1	—	—
DeBlois Oil Co.	79	3	—	—	—	13	34	32	—	—	—	—	—
Diamond Shamrock, Inc.	1,918	8	—	—	—	—	—	—	—	—	—	—	—
Dixie Oil Co.	69	3	—	—	—	—	—	—	—	—	—	—	—
East Coast Oil Corp.	44	1	—	—	—	—	—	—	—	—	—	—	—
Emro Marketing Co.	1,590	16	—	—	—	—	—	—	—	—	—	—	—
Englefield Oil Co.	85	2	—	—	—	—	—	—	—	—	—	—	—
Exxon Co., USA	10,876	39	212	80	0	123	13	83	226	457	590	47	318
Farm & Home Oil Co.	43	2	—	—	—	—	—	—	—	2	41	—	—
Farmland Industries	1,118	15	—	—	—	—	—	—	—	—	—	—	—
Fina, Inc.	2,919	25	—	—	—	—	—	—	—	—	—	—	—
Flying J, Inc.	93	25	—	—	—	—	—	—	—	—	—	—	—
H.N. Funkhouser & Co.	20	1	—	—	—	—	—	—	—	—	—	—	—
Gate Petroleum Co.	138	9	—	—	—	—	—	—	—	—	—	—	—
Getty Petroleum Corp.	2,038	12	97	78	53	281	33	111	668	300	280	20	49
Giant Industries, Inc.	44	3	—	—	—	—	—	—	—	—	—	—	—
Global Petroleum Corp.	144	10	—	2	1	35	2	1	—	—	5	70	16
Golub Corp.	12	2	—	—	—	1	—	11	—	—	—	—	—
Gresham Petroleum Co.	35	1	—	—	—	—	—	—	—	—	—	—	—
Guttman Oil Co.	72	3	—	—	—	—	—	—	—	—	—	—	—
Harris Oil Co.	34	1	—	—	—	—	—	—	—	—	47	—	—
Hawaiian Independent Refinery	28	1	—	—	—	—	—	—	—	—	—	—	—
Highway Oil, Inc.	174	22	—	2	2	—	—	—	—	—	—	—	—
Angus I. Hines, Inc.	62	3	—	—	—	—	—	—	22	—	22	—	3
Barney Holland Oil Co.	75	1	—	—	—	—	—	—	—	—	—	—	—
Horkey Oil Co., Inc.	35	1	—	—	—	—	—	—	—	—	—	—	—
Hough Petroleum	51	2	—	—	—	—	—	—	—	—	—	—	—
Huck's Convenience Store	101	5	—	—	—	—	—	—	—	48	3	—	—
Hull Oil Co.	24	1	—	—	—	—	—	—	—	—	—	—	—
Jacobus Petroleum Products, Inc.	42	1	—	—	—	—	—	—	—	—	—	—	—
J&L Oil, Inc.	54	3	—	—	—	—	—	—	—	—	—	—	—
Kellett Oil Co.	41	1	—	—	—	—	—	—	—	—	—	—	—
Kent Distributors, Inc.	23	1	—	—	—	—	—	—	—	—	—	—	—

in the United States

South Atlantic							East North Central					East South Central				West North Central			
DC	VA	WV	NC	SC	GA	FL	OH	IN	IL	MI	WI	KY	TN	AL	MS	MN	IA	MO	ND
—	—	—	98	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
46	386	26	701	336	673	707	209	290	849	471	379	3	627	272	222	452	326	380	160
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	24	—
—	23	283	—	—	—	47	333	29	20	9	77	759	—	—	—	205	6	3	1
—	—	—	—	—	—	—	—	—	—	—	—	—	22	—	—	—	—	—	—
—	130	83	744	422	822	556	961	24	2	99	—	559	690	483	406	—	—	1	—
—	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	30	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	17	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	73	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	1	2	—	—	—	—	—	—	—	13	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	116	—	—	—	—	184	26	—	159
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	10	—	—	—	—	133	—	—	—	—	4	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	430	170	204	82	647	617	26	8	—	—	—	443	110	597	300	—	—	1	—
—	—	24	31	115	33	2	—	—	—	—	—	—	8	18	18	—	—	—	—
2	572	82	508	190	569	917	144	88	239	213	281	99	282	490	131	16	33	218	—
—	—	3	—	—	—	—	184	107	223	174	83	22	—	—	—	18	7	51	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	46	4	6	2	11	70	—	5	41	—	—	13	29	5	3	7	109	72	—
—	—	—	—	—	—	—	100	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	6	21	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	29	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	7	—	—	—	—	—	16	31	10	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	83	—	112	103	65	21	—	—	—	—	—	—	—	40	—	—	—	—	—
—	—	—	—	—	—	—	25	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	6	—	—	—	—	8	—	—	—	—	—	—	—
—	—	—	7	—	—	13	132	19	12	12	—	157	16	—	—	—	1	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	—
—	—	—	—	—	45	23	—	—	—	—	—	—	—	1	—	—	—	—	—
—	44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	4	36	79	86	79	440	286	148	248	56	61	14	12	21	—	—	—	—
—	—	11	—	—	—	—	74	—	—	—	—	—	—	—	—	—	—	—	—
37	641	351	981	512	392	474	13	0	0	0	0	1	539	280	160	0	0	1	0
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	42	—	—	—	—	—	—	52	199	31	46
—	3	—	33	44	307	387	—	—	24	—	3	2	116	75	49	90	10	89	0
—	1	—	1	1	2	—	1	2	1	—	—	1	1	—	—	—	—	—	—
—	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	4
—	5	2	5	14	8	93	—	—	—	—	—	7	1	—	—	—	—	—	—
—	68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	1	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	35	—	—	—	—
—	—	8	—	—	—	—	17	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	5	—	—	—	22	30	9	—	2	—	8	7	2	2	—	—	—	—
—	60	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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			West South Central				Mountain								Pacific				
SD	NE	KS	AR	LA	OK	TX	MT	ID	WY	CO	NM	AZ	UT	NV	WA	OR	CA	AK	HI
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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168	132	194	—	—	—	—	—	17	—	223	—	—	40	—	—	—	—	—	—
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—	—	—	265	481	42	1,702	44	123	26	—	176	180	117	76	316	216	1,495	92	116
—	—	—	15	134	59	34	—	—	—	—	—	51	12	6	6	—	—	—	—
2	11	39	323	368	346	1,286	—	19	—	189	34	71	123	129	120	1	267	—	—
—	—	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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6	45	139	14	16	32	65	—	—	3	23	—	—	—	—	—	—	—	—	—
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—	—	16	54	39	60	1,513	—	—	—	150	85	—	—	—	—	—	—	—	—
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—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	0	0	295	497	1	1,944	165	27	16	1	89	255	12	38	191	74	726	0	0
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
101	193	249	3	—	97	58	—	2	6	38	1	—	—	—	—	—	—	—	—
7	5	109	157	107	118	1,017	0	0	0	5	151	10	1	0	—	—	—	—	—
—	1	—	2	—	—	5	4	10	2	2	—	3	13	2	16	6	10	—	—
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—	—	—	—	—	—	23	—	—	—	—	—	—	—	—	—	—	—	—	—

Branded Retail Outlets

Company	Total Branded Retail Outlets	Number of States Where Gasoline Brand is Marketed	New England						Middle Atlantic				
			ME	NH	VT	MA	RI	CT	NY	NJ	PA	DE	MD
Kerr-McGee Refining Corp.	1,313	13	—	—	—	—	—	—	—	—	—	—	—
Kimber Petroleum Corp.	75	1	—	—	—	—	—	—	—	75	—	—	—
Kocolene Oil Corp.	73	4	—	—	—	—	—	—	—	3	—	—	—
Krause Gentle Corp.	91	2	—	—	—	—	—	—	—	—	—	—	—
Kwik Shop Inc.	208	5	—	—	—	—	—	—	—	—	3	—	—
Carlos R. Leffler	210	1	—	—	—	—	—	—	—	—	210	—	—
H.C. Lewis Oil Co.	27	1	—	—	—	—	—	—	—	—	—	—	—
The Lyden Co.	100	1	—	—	—	—	—	—	—	—	—	—	—
Marathon Petroleum Co.	2,106	9	—	—	—	—	—	—	—	—	9	—	—
Martin Oil Marketing, Ltd.	43	2	—	—	—	—	—	—	—	—	—	—	—
McLeieer Oil, Inc....	40	1	—	—	—	—	—	—	—	—	—	—	—
Merrit Truax Inc.	33	1	—	—	—	—	—	—	—	—	—	—	—
MFA Oil Co.	250	1	—	—	—	—	—	—	—	—	—	—	—
Mid-Missouri Oil Co.	13	1	—	—	—	—	—	—	—	—	—	—	—
Mid-States Petroleum	129	3	—	—	—	—	—	—	—	—	—	—	—
Midwest Petroleum Co.	102	2	—	—	—	—	—	—	—	—	—	—	—
Miller Enterprises, Inc.	121	1	—	—	—	—	—	—	—	—	—	—	—
Miller Oil Co.	85	6	—	—	—	—	—	—	—	—	—	—	—
Mini-Mart Inc.	107	6	—	—	—	—	—	—	—	—	—	—	—
Missouri Terminal Oil Co.	14	1	—	—	—	—	—	—	—	—	—	—	—
Mobil Oil Corp.	9,068	34	250	180	155	533	68	302	1,331	497	611	55	118
Moto Inc. (FKG Oil Co.)	51	6	—	—	—	—	—	—	—	—	—	—	—
Munro Petroleum & Terminal Corp.	27	1	—	—	—	—	—	—	—	—	—	—	—
Murphy Oil USA, Inc.	623	14	—	—	—	—	—	—	—	—	—	—	—
National Oil & Gas Inc.	90	2	—	—	—	—	—	—	—	—	—	—	—
Neal Inc.	25	1	—	—	—	—	—	—	—	—	—	—	—
Nelia Oil Co.	25	1	—	—	—	—	—	—	—	—	—	—	—
NOCO Energy Corp.	33	1	—	—	—	—	—	—	33	—	—	—	—
Northville Industries Corp.	105	2	—	—	—	—	—	—	67	38	—	—	—
Pal Oil Company, Inc.	64	1	—	—	—	—	—	—	64	—	—	—	—
Parker Oil Co., Inc.	75	3	—	—	—	—	—	—	—	—	—	—	1
Patterson Oil Co., Inc.	32	1	—	—	—	—	—	32	—	—	—	—	—
Pennzoil Products Co.	393	8	—	—	—	—	—	—	18	—	89	—	—
Petro USA (Petroleum Sales & Service	40	1	—	—	—	—	—	—	40	—	—	—	—
Petroleum Marketers, Inc.	142	3	—	—	—	—	—	—	—	—	—	—	1
Petroleum Products Corp.	61	4	—	—	—	—	—	—	1	—	49	—	3
Phillips 66 Co.	7,474	29	—	—	—	—	—	—	—	—	—	—	—
Piasa Motor Fuels, Inc.	18	2	—	—	—	—	—	—	—	—	—	—	—
Pilot Corp.	90	24	—	—	—	—	—	—	2	—	2	—	1
Pride Oil Co. (Miss.)	14	2	—	—	—	—	—	—	—	—	—	—	—
Pyramid Oil Co.	115	1	—	—	—	—	—	—	—	115	—	—	—
Quality Oil Co., Inc.	115	1	—	—	—	—	—	—	—	—	—	—	—
Quicktrip Corp.	293	6	—	—	—	—	—	—	—	—	—	—	—
Red Hed Oil Co., Inc.	35	1	—	—	—	—	—	—	—	—	—	—	—
Redwood Oil Co.	85	1	—	—	—	—	—	—	—	—	—	—	—
Rich Oil Inc.	91	3	—	—	—	—	—	—	—	—	—	—	—
River Oil Co.	38	2	—	—	—	—	—	—	—	—	—	—	—
Robinson Oil Co., Inc.	23	1	—	—	—	—	—	—	—	—	—	—	—
Royster Oil Co., Inc.	24	1	—	—	—	—	—	—	—	—	—	—	—
Russell Petroleum Corp.	36	1	—	—	—	—	—	—	—	—	—	—	—
Sahara Oil Co., Inc.	25	1	—	—	—	—	—	—	—	—	—	—	—
Santa Fuel, Inc.	56	3	—	—	—	—	2	47	7	—	—	—	—
SCASCO	32	1	—	—	—	—	—	32	—	—	—	—	—
Shay Oil Co. Inc.	18	1	—	—	—	—	—	—	—	—	—	—	—
Shelby Petroleum Corp.	20	2	—	—	—	—	—	—	—	—	—	—	—
Shell Oil Co.	8,975	41	—	13	—	217	54	130	207	273	128	33	221
Shipley Oil Co.	30	1	—	—	—	—	—	—	—	—	30	—	—
Shotmeyer Bros. Petroleum Corp.	64	1	—	—	—	—	—	—	—	64	—	—	—
SICO	131	3	—	—	—	—	—	—	—	31	99	1	—
Simon Oil Co., Inc.	100	1	—	—	—	—	—	—	100	—	—	—	—
Sinclair Oil Corp.	2,490	21	—	—	—	—	—	—	—	—	—	—	—
R.L. Smeltz Oil Co., Inc.	19	1	—	—	—	—	—	—	—	—	19	—	—
SOS Oil Corp.	50	1	—	—	—	—	—	—	50	—	—	—	—
The Spencer Co., Inc.	56	1	—	—	—	—	—	—	—	—	—	—	—
M. Spiegel & Sons Oil Corp.	50	1	—	—	—	—	—	—	50	—	—	—	—
SSG Corp.	32	2	—	—	—	—	—	—	—	—	—	—	—
Star Enterprise	8,653	25	73	53	56	271	60	187	258	270	584	57	201
The Star Oil Co.	22	1	—	—	—	—	—	—	—	—	—	—	—
Steuart Petroleum Co.	67	6	—	—	—	—	—	—	—	—	—	—	17
Stevens Oil Co.	37	2	—	—	—	—	—	—	—	—	—	—	—
Sugarcreek Corp.	280	2	—	—	—	—	—	—	277	—	3	—	—
Sumrall Oil Services Inc.	20	1	—	—	—	—	—	—	—	—	—	—	—
Sun Company, Inc.	5,854	27	58	87	54	349	93	239	1,158	379	1,251	15	102
Taylor Oil Co.	62	2	—	—	—	—	—	—	—	—	—	—	—
Tesoro Petroleum	100	1	—	—	—	—	—	—	—	—	—	—	—

in the United States

South Atlantic							East North Central					East South Central				West North Central			
DC	VA	WV	NC	SC	GA	FL	OH	IN	IL	MI	WI	KY	TN	AL	MS	MN	IA	MO	ND
—	—	—	—	—	—	—	—	10	78	—	31	—	—	—	—	20	92	120	1
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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—	—	—	—	—	—	—	100	—	—	—	—	—	—	—	—	—	—	—	—
—	—	22	—	2	—	—	682	431	247	537	31	145	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	18	25	—	—	—	—	—	—	—	—	—	—
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1	180	47	160	0	8	493	158	67	363	508	520	37	90	10	1	253	0	89	18
—	—	—	—	—	—	—	10	4	28	—	5	—	—	—	—	2	—	2	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	27	—	—	—	—
—	13	—	28	11	43	85	—	—	—	11	100	9	49	93	33	100	—	—	—
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—	6	82	—	—	—	—	166	2	—	5	—	25	—	—	—	—	—	—	—
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—	45	—	601	235	378	43	—	272	467	63	227	28	337	281	128	391	227	585	27
—	—	—	—	—	—	—	—	—	16	—	—	—	—	—	—	—	—	2	—
—	18	1	1	1	—	1	3	2	2	1	1	2	40	1	—	—	1	2	—
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—	—	—	—	—	—	—	—	—	—	—	—	—	36	—	2	—	—	—	—
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—	—	—	—	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	36	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	10	10	—	—	—	—	—	—
9	250	13	293	133	323	605	411	326	588	528	106	285	259	286	216	0	13	156	0
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	16	—	27	—	—	—	—	130	196	324	169
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	56	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	29	—	—	—	—	—	—	—	—
—	425	22	664	318	517	935	—	—	—	—	—	28	379	414	279	—	—	6	—
—	—	—	—	—	—	—	—	—	—	22	—	—	—	—	—	—	—	—	—
—	24	—	10	11	4	1	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	1	36	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20	—	—	—	—
8	23	69	129	10	—	—	523	136	160	298	4	65	—	—	—	—	—	—	—
—	10	—	52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

			West South Central				Mountain								Pacific				
SD	NE	KS	AR	LA	OK	TX	MT	ID	WY	CO	NM	AZ	UT	NV	WA	OR	CA	AK	HI
15	61	112	221	—	400	152	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	47	62	—	—	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	3	—	—	—	—	—	23	—	43	6	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	1	245	0	733	0	0	0	0	0	181	0	0	0	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	5	43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
88	224	321	221	140	499	906	—	69	40	222	147	—	162	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	1	1	—	2	—	—	—	—	1	2	—	—	—	—	—	—	—
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—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	68	—	—	67	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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—	—	—	—	—	—	—	—	—	—	—	—	18	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
0	0	0	86	387	1	547	0	20	0	8	68	50	21	32	116	186	1,300	0	57
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
193	184	54	62	—	150	—	194	180	76	280	14	1	204	14	19	8	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	60	525	—	2,011	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	15	—	334	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	—

Branded Retail Outlets

Company	Total Branded Retail Outlets	Number of States Where Gasoline Brand is Marketed	New England						Middle Atlantic				
			ME	NH	VT	MA	RI	CT	NY	NJ	PA	DE	MD
Texaco, Inc.	4,934	24	—	—	—	—	—	—	—	—	—	—	—
Texas Star Oil Co.	15	1	—	—	—	—	—	—	—	—	—	—	—
Thornhill Oil Co., Inc.	29	1	—	—	—	—	—	—	—	—	—	—	—
Thrifty Oil Co.	250	1	—	—	—	—	—	—	—	—	—	—	—
Time Saver Stores	23	1	—	—	—	—	—	—	—	—	—	—	—
TOC Retail Inc., dba Majik Markets	306	10	—	—	—	—	—	—	—	—	—	—	—
Total Petroleum, Inc.	2,776	22	—	—	—	—	—	—	—	—	—	—	—
Town Pump Inc. & Affiliates	62	1	—	—	—	—	—	—	—	—	—	—	—
Travelers Petroleum, Inc.	16	1	—	—	—	—	—	—	—	—	—	—	—
Trenton Oil Co., Inc.	30	1	—	—	—	—	—	—	—	30	—	—	—
Triton Inc.	29	3	—	—	—	—	—	—	—	—	—	—	—
Ultramar	400	1	—	—	—	—	—	—	—	—	—	—	—
United Refining Co.	403	3	—	—	—	—	—	—	217	—	169	—	—
Unocal	1,931(c)	7	—	—	—	—	—	—	—	—	—	—	—
V-1 Oil Co.	36	6	—	—	—	—	—	—	—	—	—	—	—
Vista Marketing Group Ltd.	17	4	—	—	—	—	—	—	—	—	—	—	—
Waco Oil Co., Inc.	15	2	—	—	—	—	—	—	—	—	—	—	—
Wake Up Oil Co., Inc.	37	1	—	—	—	—	—	—	—	—	—	—	—
Warren Equities, Inc.	258	8	11	9	—	63	48	53	46	23	5	—	—
Wesson, Inc.	40	1	—	—	—	—	—	40	—	—	—	—	—
A.T. Williams Oil Co.	104	2	—	—	—	—	—	—	—	—	—	—	—
J.H. Williams Co., Inc.	83	1	—	—	—	—	—	—	—	—	—	—	—
The Wills Group, Inc.	104	4	—	—	—	—	—	—	—	—	—	2	87
Wooten Oil Co.	54	3	—	—	—	—	—	—	—	—	—	—	—

(a) Excludes 6 am/pms with no gasoline sales.
(b) Excludes airport & marine outlets, new car dealerships & military exchanges.
(c) Does not include UNO-VEN or Southeast marketing.
Note: Due to space considerations, companies with fewer than 11 outlets do not appear in this listing.

ProEco has the safest, most accurate, most reliable, UST testing system in the industry.

SAFE

ProEco's probe system is certified intrinsically safe and is the only equipment in the underground tank testing industry to carry the prestigious MET Certification

MET

THE PROBE

Our technologically advanced robotic probe contains two microprocessors - one that tracks data on temperature within two thousandth of a degree and the other monitors data on product level to within one twenty thousandth on an inch

STAND ALONE OPERATION

- No unsightly cable or wires
- No large truck sitting on your property
- No disruption of your business

UNATTENDED TANK TIGHTNESS TESTING

ProEco services our customers with a virtually unattended method of underground storage tank testing. Our robotic probes are deployed inside your tanks and can perform tests at low business times or when you are closed

in the United States

South Atlantic							East North Central					East South Central				West North Central			
DC	VA	WV	NC	SC	GA	FL	OH	IN	IL	MI	WI	KY	TN	AL	MS	MN	IA	MO	ND
—	—	—	—	—	—	—	—	—	22	—	2	—	—	—	—	140	156	278	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	29	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	1	—	19	41	80	44	—	—	—	—	—	8	32	26	22	—	—	—	—
—	—	—	—	—	—	—	10	3	39	511	68	1	19	—	2	106	117	429	4
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	2	—	20	7	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	17	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	5	—	7	—	—	—	—	—	1	4	—
—	—	—	—	—	—	—	3	—	—	—	—	12	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	37	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—
—	40	—	64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	83	—	—	—	—	—	—	—	—	—	—	—	—	—
2	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	1	—	52	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

OUR UNDERCOVER WORK STARTS HERE
No. 1
GATHERING THE FACTS
THE COMPLETE CASE

			West South Central				Mountain								Pacific				
SD	NE	KS	AR	LA	OK	TX	MT	ID	WY	CO	NM	AZ	UT	NV	WA	OR	CA	AK	HI
62	147	136	160	—	467	298	2	92	65	269	168	302	190	104	528	360	862	66	50
—	—	—	—	—	—	15	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	250	—	—
—	—	—	—	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	163	409	110	2	554	84	—	—	6	87	16	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	62	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	400	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	110	—	38	93	72	1,534	4	80
—	—	—	—	—	—	—	7	10	13	1	—	—	3	—	2	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

LINE TESTING
ProEco's Proline Test Series III is recognized by the industry to be one of the most accurate systems to test product lines. Our unique jumper system can test all lines at a site at the same time.

LEAK DETECTOR TESTING
Automatic Line Leak Detectors are tested by ProEco strictly according to manufacturer's recommendations.

OVERFILL PROTECTION INSTALLATION
ProEco can upgrade your tanks by installing appropriate overfill prevention devices. This allows our customers to take advantage of lower cost underfill testing.

ProEco Does It All For You!

ULLAGE* TESTING
Now your entire tank can be tested without adding inventory costs. Our new ullage test procedure has been certified to test down to a void space equivalent to 10,000 gallons.

*The amount by which a tank falls short of being full.

FACILITY INSPECTIONS
ProEco's trained and experienced technicians can perform customized detailed environmental inspections of all your locations.

ProEco INC
THE ECOLOGY PROFESSIONALS

For more information
Call 1-800-788-5103

NATIONAL ACCOUNTS MID SOUTHWEST 713 820 9999 • Fax 713 820 4864
WESTCOAST 408 866 4448
MIDWEST 708 356 8978
CORPORATE OFFICE 7439 E. Hillsborough Ave. Tampa FL 33610 813 623 5003 • Fax 813 620 0731
MIDSOUTH 817 421 8777
ROCKY MOUNTAIN 303 789 0868
NORTHEAST 603 225 8206
SOUTHEAST 813 623 5003

INTERNATIONAL AFFILIATES • Eco Medit • Milan, Italy • 813 623 5003 (U.S.) • 321 391741 (Italy)

Average Number of Employees

(As of January 1, 1991)

	Mining	Refining		Transportation		Wholesale	Retail	
State	**Oil and Gas Extraction**	**Petroleum Refining**	**Oils and Greases**	**Pipelines, Except Gas**	**Gas Distribution**	**Petroleum Products**	**Gasoline Stations**	**Total Industry**
Alabama	2,980	387	50	82	2,827	5,620	10,317	22,263
Alaska	10,257	308	22	1,095	237	656	1,104	13,679
Arizona	106	N/A	N/A	129	1,724	1,314	9,545	12,818
Arkansas	2,588	475	N/A	274	2,223	2,305	5,893	13,758
California	30,972	23,547	909	1,295	11,524	13,188	62,217	143,652
Colorado	12,599	4[illegible]1	46	155	2,145	2,366	9,514	27,296
Connecticut	40	0	52	0	2,509	1,773	8,768	13,142
Delaware	13	767	11	3	319	223	1,508	2,844
Dist. of Col.	241	40	N/A	0	626	184	849	1,940
Florida	514	17	285	67	2,327	7,501	30,348	41,059
Georgia	77	87	109	517	4,282	6,674	18,475	30,221
Hawaii	N/A	477	0	0	N/A	781	3,353	4,611
Idaho	5	0	0	20	353	1,450	3,684	5,512
Illinois	3,362	7,623	1,360	901	8,087	10,720	26,854	58,907
Indiana	512	2,253	344	389	2,681	3,481	20,013	29,673
Iowa	31	18	180	191	1,092	2,791	14,103	18,406
Kansas	8,447	1,945	355	2,197	2,526	2,606	9,155	27,231
Kentucky	1,828	3,422	71	136	2,897	3,206	12,553	24,113
Louisiana	53,700	10,500	655	1,015	5,791	5,611	8,271	85,543
Maine	21	0	0	67	73	,243	4,249	5,653
Maryland	28	N/A	253	N/A	1,128	2,925	12,917	17,251
Massachusetts	9	N/A	429	15	5,163	2,653	14,209	22,478
Michigan	3,880	687	811	278	6,694	5,949	26,475	44,774
Minnesota	70	N/A	137	217	2,242	2,833	18,803	24,302
Mississippi	5,376	1,733	153	222	2,030	2,557	7,140	19,211
Missouri	74	N/A	308	206	3,950	5,809	21,511	31,858
Montana	1,698	775	0	86	370	1,209	3,485	7,623
Nebraska	459	N/A	N/A	75	1,387	2,479	7,508	11,908
Nevada	205	0	0	9	872	2,229	4,312	7,627
New Hampshire	0	0	28	3	298	384	3,021	3,734
New Jersey	96	6,633	1,035	143	2,364	3,670	18,431	32,372
New Mexico	9,955	589	32	237	2,556	2,246	4,819	20,434
New York	1,583	2,100	417	142	6,627	7,977	28,056	46,902
North Carolina	61	N/A	307	116	3,014	5,786	10,794	20,078
North Dakota	2,883	231	107	134	872	2,061	2,514	8,802
Ohio	5,819	7,112	630	676	7,371	6,561	35,219	63,388
Oklahoma	41,857	4,506	633	1,177	5,465	4,777	8,262	66,677
Oregon	42	N/A	78	N/A	1,426	2,308	8,954	12,808
Pennsylvania	3,500	9,200	800	700	8,100	8,100	28,200	58,600
Rhode Island	N/A	0	0	N/A	958	399	2,270	3,627
South Carolina	28	N/A	N/A	N/A	589	3,310	7,817	11,744
South Dakota	108	0	0	51	125	1,564	2,924	4,772
Tennessee	228	410	55	43	1,885	5,915	12,978	21,514
Texas	171,709	26,389	1,028	4,475	27,970	23,027	32,530	287,128
Utah	2,139	897	3	71	2,238	1,059	6,014	12,421
Vermont	N/A	N/A	N/A	N/A	109	389	2,119	2,617
Virginia	254	272	N/A	N/A	2,938	8,770	16,783	29,017
Washington	237	1,927	N/A	121	N/A	2,566	10,752	15,603
West Virginia	4,591	273	210	79	4,940	1,179	5,311	16,583
Wisconsin	N/A	N/A	N/A	200	2,642	3,952	18,277	25,071
Wyoming	8,941	1,011	6	223	980	731	3,537	15,429
Total	**394,123**	**117,082**	**11,909**	**18,232**	**161,546**	**199,067**	**646,715**	**1,548,674**

Note: Data differ from the Bureau of Labor Statistics national averages due to confidentiality rules.

Sources: Independent Petroleum Assn. of America, "The Oil & Natural Gas Producing Industry in Your State," 1991-1992, and state government agencies.

Fuel Oil

Distillate Sales in 1989 and 1990...

(Add 000 gal.)

Destination	Residential		Commercial		Industrial	
	1990	1989	1990	1989	1990	1989
PAD District 1						
Connecticut	478,734	597,477	122,739	143,928	24,633	39,079
Delaware	40,516	55,486	14,154	12,513	7,976	8,934
Dist. of Col.	6,261	6,115	21,007	22,669	29	107
Florida	9,786	15,238	135,866	116,672	35,044	39,961
Georgia	10,465	11,208	53,234	40,934	46,480	43,679
Maine	211,107	238,445	70,729	68,062	16,763	27,390
Maryland	179,490	215,803	87,776	84,163	25,505	28,770
Massachusetts	724,299	862,166	261,278	325,448	67,671	84,689
New Hampshire	142,248	180,907	49,885	49,823	9,644	12,902
New Jersey	481,733	668,788	289,750	342,936	57,755	70,026
New York	1,111,493	1,460,843	543,577	649,743	54,145	62,048
North Carolina	148,996	196,372	81,192	98,741	63,289	81,108
Pennsylvania	712,557	925,768	234,137	306,381	141,696	150,398
Rhode Island	107,008	133,478	28,190	32,707	6,945	9,234
South Carolina	42,298	53,820	25,419	38,861	25,341	24,867
Vermont	80,843	90,843	23,590	30,329	9,549	8,474
Virginia	214,004	263,958	99,280	98,760	59,431	74,019
West Virginia	24,035	27,056	18,545	20,776	82,907	81,502
Total	**4,725,873**	**6,003,771**	**2,160,348**	**2,483,446**	**734,803**	**847,187**
PAD District 2						
Illinois	50,271	66,377	64,864	59,185	69,430	75,664
Indiana	72,029	97,159	44,857	48,503	78,551	84,897
Iowa	33,376	44,732	20,756	20,565	14,317	13,458
Kansas	1,013	1,345	11,855	14,002	9,414	10,401
Kentucky	26,989	31,287	27,491	27,261	155,708	139,924
Michigan	174,589	200,352	72,490	87,247	41,792	50,080
Minnesota	134,994	188,737	39,359	43,396	34,084	36,800
Missouri	14,859	19,892	36,996	38,886	27,575	33,430
Nebraska	7,072	10,456	10,358	9,561	4,629	5,046
North Dakota	35,385	38,339	6,321	7,804	15,667	17,825
Ohio	170,927	192,031	69,224	70,839	102,212	111,409
Oklahoma	7	17	22,570	26,779	21,049	22,281
South Dakota	33,745	37,803	8,718	9,253	5,044	5,144
Tennessee	9,917	10,270	26,636	27,900	37,181	31,685
Wisconsin	194,172	226,563	76,744	84,664	17,869	21,416
Total	**959,345**	**1,165,360**	**539,239**	**575,845**	**634,522**	**659,460**
PAD District 3						
Alabama	1,068	1,442	45,571	51,571	125,273	81,243
Arkansas	20	32	18,399	18,475	26,400	22,918
Louisiana	389	323	45,696	35,497	30,688	24,230
Mississippi	57	273	24,664	35,915	29,476	23,570
New Mexico	503	441	26,261	21,249	33,580	44,243
Texas	110	539	137,161	163,537	186,856	236,711
Total	**2,147**	**3,050**	**297,752**	**326,244**	**432,273**	**432,915**
PAD District 4						
Colorado	1,140	1,753	18,329	22,623	36,093	35,260
Idaho	22,188	23,431	14,262	14,624	24,281	30,087
Montana	12,079	15,377	6,390	8,558	47,058	45,880
Utah	5,742	7,680	15,093	19,280	35,382	32,114
Wyoming	1,012	1,396	9,048	10,479	46,899	54,353
Total	**42,161**	**49,637**	**63,122**	**75,564**	**189,713**	**197,694**
PAD District 5						
Alaska	73,117	63,744	49,264	34,630	8,086	35,482
Arizona	444	283	21,405	15,715	61,875	59,550
California	9,466	10,108	192,228	193,766	196,947	168,271
Hawaii	15	17	21,249	20,800	6,299	4,090
Nevada	10,003	10,587	14,616	15,896	109,005	94,996
Oregon	74,738	79,305	55,992	45,131	32,057	27,587
Washington	125,593	115,235	87,562	71,707	46,743	38,062
Total	**293,376**	**279,279**	**442,316**	**397,645**	**461,012**	**428,038**
U.S. Total	**6,022,902**	**7,501,097**	**3,502,777**	**3,858,744**	**2,452,323**	**2,565,294**

Source: Distillate, Kerosine, and Residual Fuel Oil Sales data, Energy Information Administration, Fuel Oil and Kerosine Sales 1990, October 1991.

...By End Use

Special note: Since 1985, the Energy Information Administration (EIA) has been publishing two sets of data in its annual report on fuel oil and kerosine sales. The original objective was to abandon one and retain the other. Because of statistical disparities, this switchover has been delayed indefinitely. The data on these pages are called "sales" by the EIA but are compatible with prior *NPN Factbook* summaries called "deliveries" in the past.

(Add 000 gal.)

	Oil Company		Farm		Electric Utility	
Destination	**1990**	**1939**	**1990**	**1989**	**1990**	**1989**
PAD District 1						
Connecticut	208	286	1,454	2,520	3,076	5,386
Delaware	289	269	6,055	5,541	4,131	14,312
Dist. of Col.	—	—	—	—	43,677	71,970
Florida	1,148	979	49,846	47,533	88,893	79,629
Georgia	203	280	83,769	82,966	9,431	16,155
Maine	1,850	403	4,265	4,540	618	2,915
Maryland	896	968	19,468	23,920	29,099	63,558
Massachusetts	602	763	4,321	2,910	36,513	24,448
New Hampshire	53	107	1,771	1,961	1,584	3,306
New Jersey	2,477	4,236	16,503	19,113	7,716	54,808
New York	8,968	10,284	43,152	48,870	35,683	114,115
North Carolina	90	81	32,151	39,584	15,224	22,419
Pennsylvania	13,086	16,087	45,868	46,838	52,919	82,654
Rhode Island	225	249	774	199	3,246	1,961
South Carolina	671	299	26,515	27,394	7,896	11,880
Vermont	17	23	5,290	6,851	365	1,517
Virginia	672	1,088	32,765	32,398	38,813	33,892
West Virginia	2,182	1,931	6,581	4,960	14,715	22,472
Total	**33,637**	**38,333**	**380,548**	**398,098**	**393,599**	**627,397**
PAD District 2						
Illinois	810	6,078	178,552	170,578	17,417	24,651
Indiana	982	930	80,530	84,188	18,467	29,115
Iowa	23	71	148,321	147,584	4,074	4,832
Kansas	8,988	8,024	133,280	132,404	5,276	7,468
Kentucky	672	683	41,366	38,602	13,906	17,107
Michigan	1,770	1,353	61,313	59,830	26,307	37,769
Minnesota	503	524	128,425	129,423	4,425	6,384
Missouri	294	315	71,607	79,324	8,872	9,620
Nebraska	38	22	157,011	145,637	2,000	3,902
North Dakota	5,528	4,421	83,843	89,892	2,194	4,302
Ohio	2,037	6,153	80,327	74,818	25,253	21,269
Oklahoma	38,351	30,983	42,162	41,123	3,187	542
South Dakota	21	12	74,645	74,497	305	862
Tennessee	629	551	41,958	39,597	10,729	3,447
Wisconsin	51	430	90,973	85,923	13,802	17,090
Total	**60,697**	**60,550**	**1,414,313**	**1,393,420**	**156,214**	**188,360**
PAD District 3						
Alabama	19,480	9,997	73,683	60,320	9,148	10,486
Arkansas	2,575	4,913	84,153	92,106	9,828	11,073
Louisiana	370,459	328,594	100,664	91,754	7,893	20,371
Mississippi	9,886	18,459	168,806	133,238	3,641	5,072
New Mexico	17,764	11,533	15,532	16,925	4,516	6,351
Texas	362,958	302,383	333,076	345,675	33,443	61,532
Total	**783,122**	**675,879**	**775,914**	**740,018**	**68,469**	**114,885**
PAD District 4						
Colorado	2,501	1,316	44,850	54,657	1,945	5,161
Idaho	—	8	70,625	68,266	13	27
Montana	1,301	1,093	53,426	53,859	1,896	2,552
Utah	2,247	4,459	7,837	9,656	3,627	4,293
Wyoming	13,954	14,038	13,289	9,713	4,393	6,899
Total	**20,003**	**20,914**	**190,027**	**196,151**	**11,874**	**18,932**
PAD District 5						
Alaska	42,121	27,330	27	257	17,394	21,953
Arizona	411	67	26,555	31,647	3,538	4,382
California	22,836	19,399	358,602	302,124	5,757	19,719
Hawaii	2,190	923	14,158	11,132	70,068	74,240
Nevada	349	321	6,067	5,187	3,881	2,639
Oregon	476	279	48,426	49,245	354	5,363
Washington	2,924	1,222	79,156	69,650	2,531	1,017
Total	**71,307**	**49,541**	**532,991**	**469,242**	**103,523**	**129,313**
U.S. Total	**968,766**	**845,217**	**3,293,793**	**3,196,929**	**733,679**	**1,078,887**

— = No data reported.

Distillate Sales in 1989 and 1990...

(Add 000 gal.)

Destination	Railroad		Vessel Bunkering		On-Highway	
	1990	1989	1990	1989	1990	1989
PAD District 1						
Connecticut	6,349	5,413	2,110	1,956	198,547	257,361
Delaware	1,582	1,038	3,052	3,259	52,637	74,089
Dist. of Col.	6,985	13,287	14	22	22,551	23,064
Florida	90,668	85,557	90,755	89,628	881,047	899,369
Georgia	69,621	65,938	21,371	34,882	854,952	838,847
Maine	4,967	6,424	11,872	12,263	168,243	139,908
Maryland	36,782	41,025	8,746	8,709	291,462	351,150
Massachusetts	13,680	19,733	37,259	38,242	261,683	271,944
New Hampshire	62	36	732	337	51,811	59,561
New Jersey	30,339	62,696	87,641	119,169	420,466	453,482
New York	12,276	17,584	7,887	9,925	907,848	754,276
North Carolina	45,001	37,167	9,613	8,638	620,268	614,485
Pennsylvania	43,699	43,997	32,263	25,854	920,344	915,865
Rhode Island	807	534	5,071	5,896	40,645	52,932
South Carolina	29,554	30,946	4,570	5,381	417,636	302,614
Vermont	3,329	3,177	329	367	41,442	46,250
Virginia	84,328	94,408	31,726	25,289	540,468	537,569
West Virginia	24,579	26,318	66,373	63,497	147,981	159,972
Total	**504,608**	**555,278**	**421,384**	**453,314**	**6,840,031**	**6,752,738**
PAD District 2						
Illinois	145,932	139,446	38,173	32,932	1,141,593	839,968
Indiana	232,173	227,166	7,717	9,233	801,335	784,441
Iowa	27,669	33,941	4,610	2,403	372,390	349,044
Kansas	199,446	169,928	—	—	310,213	303,893
Kentucky	122,606	116,502	83,088	98,114	488,180	692,215
Michigan	40,353	42,684	3,040	4,558	527,744	528,906
Minnesota	63,075	39,444	3,546	2,674	330,563	331,625
Missouri	26,743	34,875	64,101	44,001	587,288	641,680
Nebraska	111,048	122,799	—	66	218,344	208,258
North Dakota	38,475	36,451	—	—	90,699	90,544
Ohio	119,163	123,607	10,325	8,442	923,811	960,195
Oklahoma	107,974	78,303	104	266	380,222	394,174
South Dakota	2,483	2,374	—	—	99,095	91,221
Tennessee	69,356	62,179	153,631	175,079	605,871	587,396
Wisconsin	97,788	106,289	2,483	3,022	438,460	449,764
Total	**1,404,284**	**1,335,988**	**370,818**	**380,790**	**7,315,808**	**7,253,324**
PAD District 3						
Alabama	62,906	67,231	99,452	139,715	564,351	544,882
Arkansas	36,202	35,200	2,323	666	383,712	395,236
Louisiana	61,749	78,996	493,239	460,005	434,629	385,621
Mississippi	18,445	17,890	66,873	75,914	310,708	302,523
New Mexico	41,154	52,161	—	—	220,011	205,916
Texas	364,191	389,367	225,408	322,318	1,384,705	1,387,059
Total	**584,647**	**640,845**	**887,295**	**998,618**	**3,298,116**	**3,221,237**
PAD District 4						
Colorado	77,364	88,610	—	64	217,149	185,519
Idaho	21,010	19,728	167	71	126,723	117,246
Montana	50,365	59,283	—	—	123,867	119,503
Utah	37,020	34,842	—	—	178,793	125,184
Wyoming	118,158	109,985	—	—	174,639	187,452
Total	**303,917**	**312,448**	**167**	**135**	**821,171**	**734,904**
PAD District 5						
Alaska	5,503	4,963	140,709	132,087	82,538	96,446
Arizona	10,272	8,348	—	—	331,183	314,671
California	233,606	218,393	166,401	198,830	1,819,718	1,913,647
Hawaii	18	17	98,661	82,832	24,968	23,717
Nevada	5,527	23,511	—	—	133,250	131,055
Oregon	85,265	86,388	40,543	34,274	334,950	311,843
Washington	72,463	78,045	71,029	75,565	358,744	378,110
Total	**412,654**	**419,665**	**517,343**	**523,588**	**3,085,351**	**3,169,489**
U.S. Total	**3,210,110**	**3,264,224**	**2,197,007**	**2,356,445**	**21,360,477**	**21,131,692**

— = No data reported.

...By End Use

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(Add 000 gal.)

Destination	Military		Off-Highway		All Other		Total	
	1990	1989	1990	1989	1990	1989	1990	1989
PAD District 1								
Connecticut	596	611	16,350	18,713	—	480	854,795	1,073,210
Delaware	190	85	3,872	4,202	—	—	134,454	179,727
Dist. of Col.	4,481	2,996	55	31	—	—	105,061	140,261
Florida	8,073	20,305	60,235	65,627	—	1,307	1,451,361	1,461,804
Georgia	6,420	9,153	39,995	38,179	—	1,610	1,195,940	1,183,830
Maine	5,099	2,984	6,789	12,836	—	39	502,301	516,210
Maryland	10,465	22,336	26,647	32,165	94	2,569	716,430	875,137
Massachusetts	2,013	1,988	18,575	18,219	—	—	1,427,892	1,650,549
New Hampshire	498	1,542	6,767	7,674	—	—	265,055	318,155
New Jersey	4,148	9,124	45,042	52,452	—	48	1,443,569	1,856,878
New York	8,970	10,410	37,335	40,298	21	3	2,771,355	3,178,401
North Carolina	7,594	7,794	26,584	26,655	152	2,234	1,050,155	1,135,279
Pennsylvania	2,137	10,677	63,406	51,847	21	718	2,262,132	2,577,083
Rhode Island	1,922	7,748	1,885	3,344	0	79	196,718	248,361
South Carolina	3,032	2,557	29,172	26,601	0	908	612,105	526,128
Vermont	107	229	4,576	5,717	95	—	169,532	193,778
Virginia	52,790	30,664	34,732	36,720	242	1,299	1,189,252	1,230,064
West Virginia	152	163	20,165	20,358	40	13	408,254	429,017
Total	**118,747**	**141,366**	**442,182**	**461,638**	**665**	**11,307**	**16,756,361**	**18,773,872**
PAD District 2								
Illinois	1,401	4,430	70,201	37,553	85	161	1,778,727	1,457,021
Indiana	4,124	6,569	30,797	29,465	—	2,819	1,371,561	1,404,487
Iowa	514	272	10,508	9,595	180	1,876	636,739	628,372
Kansas	2,030	855	11,658	12,352	549	1,601	693,723	662,271
Kentucky	5,196	5,419	20,578	21,811	—	19	985,780	1,188,945
Michigan	1,610	3,146	37,825	45,397	—	1,744	988,833	1,063,066
Minnesota	1,234	2,030	34,479	26,163	221	1,818	774,908	809,017
Missouri	4,441	4,994	26,383	21,499	142	1,165	869,301	929,681
Nebraska	291	1,063	11,779	17,083	—	—	522,570	523,895
North Dakota	1,383	1,344	3,719	4,509	8	194	283,223	295,626
Ohio	8,426	8,597	30,823	27,963	—	335	1,542,528	1,605,659
Oklahoma	1,480	1,491	27,939	22,047	16	227	645,062	618,234
South Dakota	381	512	5,947	5,642	57	540	230,439	227,860
Tennessee	2,492	2,785	42,768	26,619	34	650	1,001,204	968,157
Wisconsin	705	1,064	41,705	32,652	74	776	974,827	1,029,655
Total	**35,708**	**44,571**	**407,109**	**340,350**	**1,366**	**13,925**	**13,299,425**	**13,411,946**
PAD District 3								
Alabama	4,420	6,335	63,954	63,870	4	1,999	1,069,310	1,039,092
Arkansas	1,373	2,069	36,274	32,128	64	63	601,321	614,878
Louisiana	37,541	83,075	61,781	54,974	155	275	1,644,883	1,563,715
Mississippi	15,681	73,439	29,248	33,576	—	162	677,487	720,030
New Mexico	1,276	912	24,773	21,484	—	48	385,371	381,263
Texas	224,130	276,348	201,793	170,936	41	879	3,453,872	3,657,284
Total	**284,421**	**442,178**	**417,823**	**376,968**	**264**	**3,426**	**7,832,244**	**7,976,262**
PAD District 4								
Colorado	6,100	8,353	28,945	27,355	43	46	434,460	430,717
Idaho	1,899	738	19,254	13,872	64	26	300,485	288,124
Montana	446	351	13,332	15,989	52	25	310,213	322,470
Utah	4,308	4,120	17,550	18,551	—	—	307,598	260,179
Wyoming	177	186	20,966	17,844	57	353	402,591	412,697
Total	**12,930**	**13,748**	**100,047**	**93,611**	**216**	**450**	**1,755,347**	**1,714,187**
PAD District 5								
Alaska	47,800	34,075	16,136	13,980	—	—	482,695	464,948
Arizona	3,076	2,253	41,155	37,978	—	—	499,914	474,894
California	227,853	205,471	223,469	193,260	—	—	3,456,884	3,442,990
Hawaii	38,509	31,149	11,386	5,428	—	—	287,521	254,345
Nevada	4,494	4,401	21,031	24,066	—	—	308,222	312,658
Oregon	1,453	733	38,126	44,577	29	—	712,409	684,725
Washington	9,471	8,370	57,885	45,640	—	—	914,101	882,623
Total	**332,656**	**286,452**	**409,188**	**364,929**	**29**	**—**	**6,661,746**	**6,517,183**
U.S. Total	**784,462**	**928,315**	**1,776,349**	**3,299,232**	**2,540**	**29,108**	**46,305,123**	**48,393,450**

— = No data reported.

Kerosine Sales in 1989 and 1990...

(Add 000 gal.)

	Residential		Commercial		Industrial	
Destination	**1990**	**1989**	**1990**	**1989**	**1990**	**1989**
PAD District 1						
Connecticut	5,420	5,878	1,423	2,972	1,516	1,910
Delaware	3,999	5,527	278	127	50	155
Dist. of Col.	93	223	210	982	—	—
Florida	4,263	7,816	3,460	7,313	1,151	1,910
Georgia	3,077	3,634	1,769	1,494	552	1,087
Maine	15,583	16,487	1,878	1,925	107	178
Maryland	10,655	16,679	1,317	1,820	551	1,200
Massachusetts	4,507	5,541	3,528	1,323	203	758
New Hampshire	6,466	9,627	690	1,112	35	41
New Jersey	8,175	11,704	4,925	5,406	6,573	12,669
New York	48,890	56,848	7,451	10,655	3,464	13,446
North Carolina	38,995	61,797	2,166	3,618	2,487	2,454
Pennsylvania	38,155	51,980	4,157	5,827	2,545	3,285
Rhode Island	1,048	1,172	45	94	393	5
South Carolina	15,228	24,323	340	1,448	2,176	2,183
Vermont	5,349	5,698	345	1,183	180	101
Virginia	32,124	46,601	3,858	5,750	886	1,615
West Virginia	5,827	7,077	1,269	1,559	677	1,230
Total	**247,854**	**338,612**	**39,109**	**54,608**	**23,546**	**44,227**
PAD District 2						
Illinois	7,853	9,435	1,988	2,868	2,493	2,706
Indiana	21,597	24,181	2,710	1,805	2,951	2,484
Iowa	1,872	1,881	2,929	262	712	144
Kansas	866	812	485	745	150	317
Kentucky	24,932	26,500	7,299	7,440	9,507	7,564
Michigan	16,861	17,808	1,394	2,562	1,649	2,387
Minnesota	2,365	12,255	352	185	45	45
Missouri	2,234	3,118	653	561	242	282
Nebraska	328	372	1,780	132	635	24
North Dakota	387	449	23	24	3	5
Ohio	48,463	39,709	14,670	10,917	4,193	4,300
Oklahoma	785	878	970	4,004	933	386
South Dakota	318	388	6	13	—	1
Tennessee	25,100	27,983	5,361	7,037	2,281	860
Wisconsin	2,252	1,802	669	288	310	234
Total	**156,213**	**167,571**	**41,289**	**38,843**	**26,104**	**21,739**
PAD District 3						
Alabama	3,793	34,829	1,100	6,220	892	2,949
Arkansas	1,976	12,395	143	812	1,197	4,684
Louisiana	1,289	13,829	2,108	15,021	3,152	20,369
Mississippi	1,198	9,695	604	2,084	396	4,625
New Mexico	418	4,331	1,505	6,121	3,467	18,693
Texas	2,634	21,098	2,471	173,744	10,091	48,325
Total	**11,308**	**96,177**	**7,931**	**204,002**	**19,195**	**99,645**
PAD District 4						
Colorado	950	842	410	3,186	68	104
Idaho	220	48	49	8	89	4
Montana	47	20	6	2	—	—
Utah	193	108	201	83	53	19
Wyoming	54	23	36	39	85	46
Total	**1,464**	**1,041**	**702**	**3,318**	**295**	**173**
PAD District 5						
Alaska	374	51	16	55	13	7
Arizona	38	30	343	176	2,254	3,088
California	12,530	7,450	2,641	2,852	3,347	1,484
Hawaii	1	0	29	17	13	8
Nevada	1,186	994	503	327	575	217
Oregon	1,894	2,639	1,144	499	352	167
Washington	7,010	3,756	2,027	44,871	994	369
Total	**23,033**	**14,920**	**6,703**	**48,797**	**7,548**	**5,340**
U.S. Total	**516,205**	**618,321**	**95,734**	**349,568**	**76,688**	**171,124**

— = No data reported.

...By End Use

Special note: Since 1985, the Energy Information Administration (EIA) has been publishing two sets of data in its annual report on fuel oil and kerosine sales. The original objective was to abandon one and retain the other. Because of statistical disparities, this switchover has been delayed indefinitely. The data on these pages are called "sales" by the EIA but are compatible with prior *NPN Factbook* summaries called "deliveries" in the past.

(Add 000 gal.)

	Farm		All Other		Total	
Destination	**1990**	**1989**	**1990**	**1989**	**1990**	**1989**
PAD District 1						
Connecticut	9	5	347	2,998	8,716	13,793
Delaware	42	8	23	17	4,392	5,834
Dist. of Col.	—	—	—	—	304	1,204
Florida	67	36	176	411	9,116	17,486
Georgia	11	27	82	200	5,491	6,442
Maine	496	559	137	259	18,201	19,408
Maryland	324	851	51	92	12,899	20,643
Massachusetts	16	43	276	375	8,531	8,041
New Hampshire	9	26	166	223	7,366	11,030
New Jersey	15	4	507	1,751	20,196	31,534
New York	1,562	2,340	1,866	15,137	63,233	98,425
North Carolina	951	873	422	439	45,022	69,181
Pennsylvania	528	1,052	437	859	45,822	63,003
Rhode Island	0	0	7	18	1,494	1,288
South Carolina	165	605	333	697	18,243	29,256
Vermont	260	414	32	35	6,166	7,431
Virginia	713	733	475	526	38,056	55,225
West Virginia	269	416	137	168	8,179	10,449
Total	**5,437**	**7,992**	**5,474**	**24,205**	**321,427**	**469,673**
PAD District 2						
Illinois	805	580	345	1,082	13,483	16,671
Indiana	1,030	899	241	183	28,530	29,551
Iowa	629	598	155	338	6,298	3,223
Kansas	553	531	68	134	2,122	2,538
Kentucky	997	942	1,271	420	44,005	42,866
Michigan	865	320	163	411	20,931	23,487
Minnesota	480	2,162	39	63	3,280	14,710
Missouri	229	412	119	803	3,478	5,177
Nebraska	455	451	12	12	3,210	990
North Dakota	12	16	36	12	460	507
Ohio	2,303	3,501	290	2,328	69,919	60,754
Oklahoma	199	101	72	65	2,959	5,434
South Dakota	230	214	28	35	583	652
Tennessee	331	438	933	357	34,006	36,675
Wisconsin	402	441	110	79	3,743	2,843
Total	**9,520**	**11,606**	**3,882**	**6,322**	**237,007**	**246,078**
PAD District 3						
Alabama	25	272	610	4,201	6,420	48,472
Arkansas	233	1,383	232	672	3,781	19,946
Louisiana	183	3,589	1,333	19,230	8,066	72,038
Mississippi	2,894	4,480	206	6,870	5,298	27,753
New Mexico	49	424	195	653	5,635	30,221
Texas	601	5,695	4,145	52,423	19,941	301,286
Total	**3,985**	**15,843**	**6,721**	**84,049**	**49,141**	**499,716**
PAD District 4						
Colorado	648	301	54	159	2,129	4,591
Idaho	12	11	16	2	385	73
Montana	286	44	4	2	343	69
Utah	100	11	22	5	570	225
Wyoming	8	11	3	6	186	124
Total	**1,054**	**378**	**99**	**174**	**3,613**	**5,082**
PAD District 5						
Alaska	—	—	1	20	405	133
Arizona	44	27	133	104	2,814	3,424
California	1,665	823	409	644	20,594	13,253
Hawaii	4	0	9	—	56	25
Nevada	67	70	309	191	2,641	1,799
Oregon	82	88	178	27	3,650	3,420
Washington	73	81	560	15	10,664	49,093
Total	**1,935**	**1,089**	**1,599**	**1,001**	**40,824**	**71,147**
U.S. Total	**21,931**	**36,908**	**17,775**	**115,751**	**652,012**	**1,291,696**

— = No data reported.

Residual Fuel Oil Sales in 1989 and 1990...

(Add 000 gal.)

	Commercial		Industrial		Oil Company		Electric Utility	
Destination	**1990**	**1989**	**1990**	**1989**	**1990**	**1989**	**1990**	**1989**
PAD District 1								
Connecticut	40,632	66,649	55,201	72,088	301	887	533,163	749,254
Delaware	6,990	10,064	22,346	24,875	6,566	16,978	94,616	173,374
Dist. of Col.	8,578	5,571	29	12	—	—	—	—
Florida	92,916	85,434	126,353	123,955	103	88	1,769,165	1,726,877
Georgia	2,670	11,142	77,294	72,567	1,351	914	—	618
Maine	83,935	82,398	188,143	204,489	—	—	155,362	219,634
Maryland	21,533	55,648	45,495	39,721	2,572	2,679	289,175	404,651
Massachusetts	175,707	166,116	102,148	147,149	148	—	931,676	1,103,079
New Hampshire	25,444	20,573	20,511	26,457	—	—	174,147	215,811
New Jersey	57,356	77,273	136,549	170,520	5,747	6,092	251,853	525,982
New York	683,573	683,400	181,958	185,421	2,058	2,480	2,450,991	2,784,305
North Carolina	8,755	9,748	199,319	196,533	1,875	1,962	—	—
Pennsylvania	31,195	39,292	140,303	130,896	84,962	110,634	286,444	442,417
Rhode Island	23,459	19,686	17,781	21,390	—	—	10,721	22,506
South Carolina	674	1,608	74,056	85,641	125	457	—	—
Vermont	4,683	3,595	4,511	4,390	—	—	—	—
Virginia	8,545	9,070	110,340	124,315	1,740	985	103,692	232,962
West Virginia	2,549	3,793	47,246	41,660	—	—	—	—
Total	**1,279,194**	**1,351,060**	**1,549,583**	**1,672,079**	**107,548**	**144,156**	**7,051,005**	**8,601,470**
PAD District 2								
Illinois	8,025	9,831	46,717	49,340	20,655	46,544	61,367	71,844
Indiana	2,433	15,175	75,360	75,142	64,905	40,702	—	—
Iowa	1,187	1,421	3,685	6,468	—	—	—	—
Kansas	1,045	428	6,487	11,120	619	2,034	2,561	—
Kentucky	12	11	13,679	13,954	7,408	6,415	—	—
Michigan	2,802	3,881	47,977	68,667	7,570	7,667	53,885	87,400
Minnesota	10,179	11,549	15,933	24,105	11,574	9,903	—	7
Missouri	2,340	1,499	20,396	18,083	—	—	10,407	14,460
Nebraska	786	1,867	9,269	11,662	—	—	—	2,531
North Dakota	880	1,180	3,839	4,102	7,930	7,253	291	243
Ohio	863	766	55,500	70,968	3,168	5,568	7,165	20,933
Oklahoma	3,163	1,957	19,027	14,591	—	—	3,060	—
South Dakota	961	970	1,403	1,875	—	—	—	—
Tennessee	1,284	2,268	10,318	16,997	263	204	—	—
Wisconsin	8,505	12,850	31,663	27,557	3,336	3,819	—	—
Total	**44,465**	**65,653**	**361,253**	**414,651**	**127,428**	**130,109**	**138,736**	**197,418**
PAD District 3								
Alabama	23,791	21,566	17,460	14,842	—	—	—	—
Arkansas	—	—	8,399	10.224	—	—	597	5,726
Louisiana	1,554	10,909	44,383	61,230	34	22	7,916	8,524
Mississippi	—	563	37,189	46,287	—	—	47,854	51,407
New Mexico	—	—	4,533	6,361	—	—	1,027	1,775
Texas	2,787	12,817	48,909	21,186	1,109	640	8,398	7,988
Total	**28,132**	**45,855**	**160,873**	**160,130**	**1,143**	**662**	**65,792**	**75,420**
PAD District 4								
Colorado	—	256	492	623	—	—	—	3
Idaho	730	1,137	1,086	821	—	—	680	—
Montana	428	555	398	59	7,718	7,035	—	—
Utah	2,880	586	3,673	5,199	5,971	5,073	2,719	—
Wyoming	25	23	110	383	1,326	876	—	36
Total	**4,063**	**2,557**	**5,759**	**7,085**	**15,015**	**12,984**	**3,399**	**39**
PAD District 5								
Alaska	—	—	4,563	—	—	—	—	—
Arizona	—	—	711	249	—	—	2,666	3,393
California	34,667	32,327	53,290	98,460	18,912	18,234	670,511	372,937
Hawaii	99,499	138,498	5,379	5,192	34,803	28,331	490,802	522,447
Nevada	84	75	302	2,479	—	276	10,577	24,844
Oregon	11,128	11,362	17,492	15,575	—	116	—	—
Washington	2,068	3,035	68,649	78,097	9,508	9,882	—	—
Total	**147,446**	**185,297**	**150,386**	**200,052**	**63,223**	**56,839**	**1,174,556**	**923,621**
U.S. Total	**1,503,300**	**2,029,331**	**2,227,854**	**2,453,997**	**314,357**	**344,750**	**8,433,488**	**9,797,968**

— = No data reported.

...By End Use

Special note: The adjustment procedure for residual fuel oil has been changed this year. In previous years, estimates of vessel bunkering volumes were obtained from the Bureau of the Census report, "United States Foreign Trade, Bunker Fuels." This Census report has now been discontinued. In order to minimize disruption to the residual fuel oil adjusted sales data series, the Census data have been removed from prior years' estimates and the adjustment to equal products supplied is performed at the national level.

(Add 000 gal.)

	Vessel Bunkering		Military		All Other		Total	
Destination	**1990**	**1989**	**1990**	**1989**	**1990**	**1989**	**1990**	**1989**
PAD District 1								
Connecticut	924	314	1,952	3,097	70	—	632,244	892,289
Delaware	34,439	38,264	745	—	—	—	165,703	263,555
Dist. of Col.	—	—	96	2,115	—	—	8,703	7,698
Florida	382,842	342,592	6,440	7,460	49	—	2,377,869	2,286,405
Georgia	46,849	27,089	3,654	1,947	—	—	131,818	114,277
Maine	2,577	5,275	2,614	4,085	—	—	432,632	515,881
Maryland	52,191	85,369	15,886	23,688	—	—	426,853	611,755
Massachusetts	51,800	39,352	1,516	14,388	—	—	1,262,995	1,470,083
New Hampshire	—	—	2,615	1,049	—	—	222,716	263,890
New Jersey	275,502	384,702	8,318	2,892	—	—	735,325	1,167,462
New York	42,879	15,739	8,518	8,815	16	—	3,369,993	3,680,160
North Carolina	16,168	25,428	3,245	4,214	—	191	229,362	238,077
Pennsylvania	216,936	174,535	1,974	3,408	—	—	761,815	901,181
Rhode Island	—	618	1,096	2,850	—	—	53,058	67,049
South Carolina	19,557	23,821	149	6,343	—	—	94,562	117,869
Vermont	—	—	102	354	—	—	9,296	8,340
Virginia	118,399	109,027	9,657	4,149	—	—	352,372	480,507
West Virginia	—	—	—	—	—	—	49,795	45,453
Total	**1,261,063**	**1,272,125**	**68,577**	**90,854**	**135**	**191**	**11,317,111**	**13,131,931**
PAD District 2								
Illinois	2,009	2,459	—	—	67	—	138,840	180,018
Indiana	7,649	9,122	—	—	—	—	150,347	140,140
Iowa	—	—	5	10	—	—	4,878	7,900
Kansas	—	—	—	—	6	—	10,718	13,582
Kentucky	—	—	—	—	—	—	21,099	20,380
Michigan	3,608	4,969	—	—	65	57	115,907	172,640
Minnesota	—	67	—	—	—	119	37,685	45,750
Missouri	826	—	408	3,709	—	—	34,376	37,750
Nebraska	—	—	—	—	—	15	10,054	16,074
North Dakota	—	—	—	—	168	236	13,108	13,014
Ohio	201	415	—	—	—	—	66,895	98,650
Oklahoma	—	—	—	—	—	—	25,249	16,548
South Dakota	—	—	5	2	—	—	2,368	2,846
Tennessee	29	21	132	571	—	—	12,026	20,060
Wisconsin	64	172	—	—	—	—	43,569	44,398
Total	**14,386**	**17,225**	**550**	**4,292**	**306**	**427**	**687,119**	**829,750**
PAD District 3								
Alabama	108,534	120,534	3,287	1,229	—	—	153,073	158,172
Arkansas	—	—	—	—	—	—	8,996	15,950
Louisiana	853,968	1,040,465	—	—	—	—	907,855	1,121,148
Mississippi	60,200	51,836	—	—	—	—	145,244	150,092
New Mexico	—	—	—	—	—	—	5,560	8,136
Texas	1,016,141	1,121,603	—	—	—	—	1,077,344	1,164,235
Total	**2,038,843**	**2,334,438**	**3,287**	**1,229**	**—**	**—**	**2,298,072**	**2,617,733**
PAD District 4								
Colorado	—	—	—	—	—	—	492	881
Idaho	—	—	—	—	12	—	2,508	1,959
Montana	—	—	—	—	—	181	8,545	7,830
Utah	—	—	1,528	—	—	—	16,771	10,866
Wyoming	—	—	—	—	85	26	1,547	1,354
Total	**—**	**—**	**1,528**	**—**	**97**	**207**	**29,863**	**22,890**
PAD District 5								
Alaska	5,427	5,091	—	—	—	—	9,991	5,091
Arizona	—	—	—	—	—	—	3,377	3,642
California	2,129,514	2,115,093	—	—	—	—	2,906,894	2,637,052
Hawaii	99,054	93,260	4,332	3,647	28,189	28,427	762,059	819,802
Nevada	—	—	—	—	—	—	10,963	27,675
Oregon	145,321	204,643	35	—	64	—	174,041	231,773
Washington	554,485	579,224	3,684	5,235	—	—	638,395	675,472
Total	**2,933,801**	**2,997,311**	**8,051**	**8,882**	**28,253**	**28,457**	**4,505,720**	**4,400,507**
U.S. Total	**6,248,093**	**6,621,099**	**80,465**	**105,257**	**28,791**	**28,457**	**18,837,885**	**21,002,811**

— = No data reported.

How Distillates Were Used in 1990

(Add 000 gal.)

Use	1990	1989	% Change	% Share of Total Distillates Used in 1990	% Share of Total Distillates Used in 1989
Residential	6,022,902	7,501,096	(20.0)	13.0	15.5
Commercial	3,502,778	3,858,743	(9.2)	7.5	8.0
Industrial	2,452,322	2,565,293	(4.4)	5.2	5.3
Oil Company	968,764	845,217	12.0	2.1	1.7
Farm	3,293,792	3,196,928	2.9	7.1	6.6
Electric Utility	733,681	1,078,887	(31.9)	1.6	2.2
Railroad	3,210,111	3,264,229	(1.7)	6.9	6.7
Vessel Bunkering	2,197,004	2,356,444	(6.7)	4.7	4.9
On-Highway Diesel	21,360,477	21,131,692	1.1	46.0	43.7
Off-Highway Diesel	1,776,352	1,637,497	7.8	3.8	3.4
Military	784,401	928,316	(15.5)	1.7	1.9
All Other	2,541	29,106	(91.3)	0.1	0.1
U.S. Total	**46,305,126**	**48,393,450**	**(4.3)**		

Source: Energy Information Administration, Fuel Oil and Kerosine Sales 1990, October 1991.

How Residual Was Used in 1990

(Add 000 gal.)

Use	1990	1989	% Change	% Share of Total Residual Used in 1990	% Share of Total Residual Used in 1989
Commercial	1,503,301	1,650,418	(8.9)	7.9	7.3
Industrial	2,227,855	2,453,976	(9.2)	11.8	17.7
Oil Company	314,358	344,751	(8.8)	1.6	1.9
Elecric Utility	8,433,489	9,797,966	(13.9)	44.7	46.7
Railroad*	N/A	151	N/A	N/A	—
Vessel Bunkering	6,248,095	6,621,100	(5.6)	33.1	25.8
Military	81,992	105,255	(22.1)	0.4	0.5
All Other	28,791	29,312	(1.8)	0.2	0.1
U.S. Total	**18,837,882**	**21,002,814**	**(10.3)**		

*Removed as a category from the 1990 EIA Survey. Any volumes that would have appeared in this category are included in the All Other category.
Source: Energy Information Administration, Fuel Oil and Kerosine Sales 1990, October 1991.

How Kerosine Was Used in 1990

(Add 000 gal.)

Use	1990	1989	% Change	% Share of Total Kerosine Used in 1990	% Share of Total Kerosine Used in 1989
Residential	439,870	618,322	(28.9)	67.0	47.9
Commercial	95,737	349,566	(72.6)	14.6	27.1
Industrial	76,687	171,124	(55.2)	11.7	13.2
Farm	21,934	36,907	(40.6)	3.3	2.9
All Other	17,780	115,750	(84.6)	2.7	9.0
U.S. Total	**652,008**	**1,291,668**	**(49.5)**		

Source: Energy Information Administration, Fuel Oil and Kerosine Sales 1990, October 1991.

How New Homes Are Heated

Region	New Homes Completed (Add 000)	Share of New Homes by Fuel and Percentage: Gas	Electric	Oil	Others
Northeast	127	45%	19%	34%	2%
Midwest	195	87	11	*	2
South	389	41	57	1	1
West	255	73	21	*	6
Total 1990	**966**	**59**	**33**	**5**	**3**
Total 1989	**1,026**	**58%**	**34%**	**5%**	**3%**

* Negligible.
Source: U.S. Dept. of Commerce, Characteristics of New Housing 1990, Current Construction Reports, June 1991.

Gas: Who Uses It for Heat

Region	% of Gas-Heated Homes to Total Gas-Using Homes	Consumers Added in 1990 (Add 000): New Homes	Existing Homes	Total Added
New England	71.3	12.0	28.6	40.6
Mid-Atlantic	66.3	50.7	59.3	110.0
East North Central	95.0	138.0	36.5	174.5
West North Central	97.5	29.7	12.8	42.5
South Atlantic	78.4	61.0	26.6	87.6
East South Central	86.2	24.2	12.3	36.5
West South Central	94.3	59.5	6.9	66.4
Mountain	92.3	52.6	11.1	63.7
Pacific	98.3	277.3	24.9	302.2
Total	**86.6**	**705.0**	**219.0**	**924.0**
% Change 1990 vs. 1989	—	**7.4**	**17.2**	**9.8**

Source: American Gas Assn., House Heating Survey 1990, Table 2.

1991 Gas Heat Equipment Shipments

Class and Type of Equipment	1991	1990	% Change
Central Heating:			
Furnaces	2,056,670	1,950,465	5.4
Boilers	183,903	204,004	(9.9)
Space Heating:			
Wall Furnaces			
Vented	147,320	150,930	(2.4)
RV Systems	N/A	N/A	—
Water Heaters:			
Gas	3,936,465	3,906,264	0.8
Electric	3,169,965	3,226,321	(1.7)
Oil (a)	28,000	36,000	—

(a) Estimated by fuel oil industry sources for comparison.
Source: Gas Appliance Manufacturers Assn., Statistical Highlights, December 1991.

Distillate Deliveries by Annual Use

(000 bbl.)

Year	Residential	Commercial	Industrial	Oil Company	Farm	Electric Utility	On-Highway Diesel	Other	Total
1990	143,402	83,399	58,389	23,066	78,424	17,469	508,583	189,771	1,102,503
1989	178,598	91,875	61,078	20,124	76,117	25,688	503,136	195,610	1,152,225
1988	182,430	98,454	63,325	20,765	81,445	19,050	520,488	157,554	1,142,511
1987	176,819	101,890	69,472	20,994	77,190	15,383	473,930	150,741	1,086,419
1986	173,686	102,217	63,907	17,857	80,477	14,628	467,280	143,686	1,063,740
1985	171,736	107,481	61,730	20,869	78,841	12,246	411,420	99,984	1,046,827
1984(a)	164,529	116,729	56,113	21,623	70,819	16,405	439,786	139,173	1,041,217
1983(a)	159,481	112,392	54,030	21,510	67,582	11,744	408,594	131,142	981,926
1982	180,760	75,669	71,340	29,482	68,453	12,134	375,124	164,253	974,864

(a) In 1984, Energy Information Administration revised its sampling procedures and adjusted some categories to reflect market volumes. Thus the 1984 and 1983 data may not be truly comparable to 1982 and the preceding years. Also, see special caveat at the top of the preceding page.

Source: Energy Information Administration, Fuel Oil and Kerosine Sales 1990, October 1991.

Residual Deliveries by Annual Use

(000 bbl.)

Year	Commercial	Industrial	Oil Company	Electric Utility	Railroad(a)	Vessel Bunkering	Military	Other	Total
1990	35,793	53,044	7,485	200,797	—	148,764	1,916	686	448,521
1989(b)	48,317	58,429	8,208	233 285	4	157,645	2,506	678	500,067
1988	42,589	91,787	10,317	227,164	1	124,976	3,269	4,173	504,276
1987	42,013	90,723	11,967	181,712	7	125,221	4,549	5,316	461,504
1986	35,595	106,962	18,239	215,276	14	125,889	4,308	7,434	517,717
1985	31,592	95,509	18,477	147,381	147	130,323	4,593	10,962	438,840
1984(a)	33,777	94,375	27,680	186,318	43	135,408	5,291	18,307	501,199
1983(a)	93,624	93,624	28,604	204,238	47	136,290	5,411	14,412	518,604
1982	122,619	122,619	45,319	227,419	170	152,586	7,829	4,784	626,510

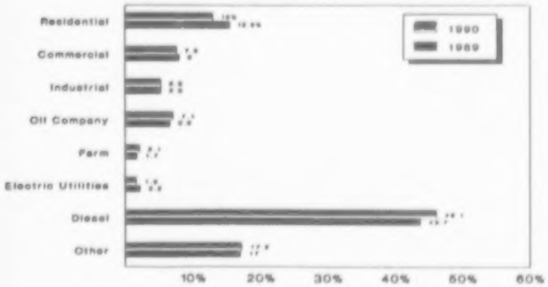
(a) See Footnote (a) in distillate summaries above.

(b) Revised.

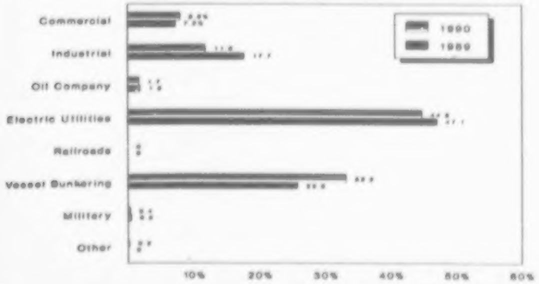
(c) Residual fuel oil for Railroad use was removed as a category in 1990. Any volumes that would have appeared in this category are included under All Other.

Source: Energy Information Administration, Fuel Oil and Kerosine Sales 1990, October 1991.

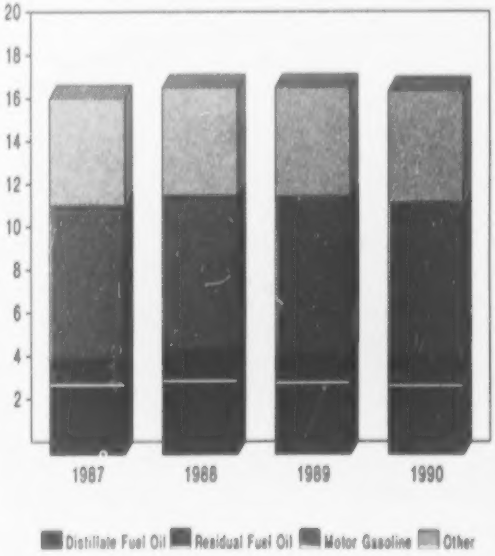
Distillate Deliveries by Use as % of Total



Residual Deliveries by Use as % of Total



Fuel Oil Demand vs. Other Products

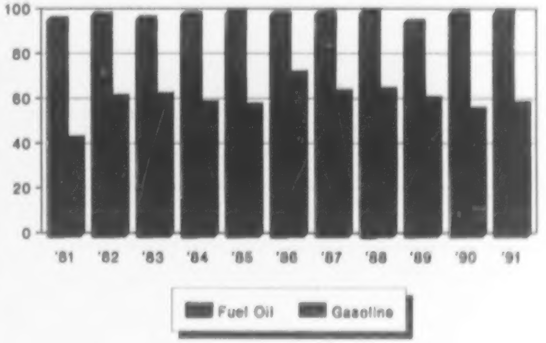


Sources of Business Income

(% of total business income)

	FUEL OIL				GASOLINE			
	Retail		Bulk		Retail		Bulk	
Region	Primary	Secondary	Primary	Secondary	Primary	Secondary	Primary	Secondary
New England	100.0	—	2.4	12.2	4.9	2.4	2.4	4.9
Mid-Atlantic	100.0	—	2.4	9.8	12.2	7.3	9.8	14.6
South	70.6	20.6	32.4	23.5	55.9	11.8	29.4	20.6
Midwest............	68.3	17.1	51.2	26.8	61.0	24.4	58.5	14.6
West..................	63.4	12.2	46.3	19.5	34.1	22.0	53.7	7.3
All Sections	**80.5**	**10.0**	**26.9**	**18.4**	**33.6**	**13.6**	**30.8**	**12.4**

Percentage of Marketers Selling Fuel Oil & Gasoline 1981 – 1991



Petroleum Revenue as a Percent of Total Business Income

New England	77.9
Mid-Atlantic	80.4
South	80.3
Midwest	74.9
West	90.1
All Sections	**79.7**

Average Drop in Gallons

Region	275 - gal. Tanks	550 - gal. Tanks
New England	174.5	349.6
Mid-Atlantic	190.3	347.9
South	177.3	350.2
Midwest	169.8	370.0
West	178.2	360.6
All Sections	**178.0**	**355.7**

The Gas Threat

Region	% Saying Gas a Major Threat	% Losing Customers
New England	56.1	73.2
Mid-Atlantic	56.1	82.9
South	75.0	100.0
Midwest	91.7	100.0
West	68.8	81.3
All Sections	**69.5**	**87.5**

Region	% Taking Steps to Combat	% Making Gas Conversion
New England	43.9	12.2
Mid-Atlantic	65.9	31.7
South	62.5	25.0
Midwest	50.0	16.7
West	75.0	18.8
All Sections	**59.5**	**20.9**

Average Size of Business

Region	Home Fuel Oil Accts	No. of C/I Accts	Gal. of Distillate	Gal. of Residual	Gal. of Gasoline	No. of Empl.
New England	1,514	121	1,948,276	1,480,000	1,500,000	9.4
Mid-Atlantic	1,900	273	1,686,094	638,333	3,302,909	12.1
South	939	87	2,408,000	578,800	2,951,500	8.5
Midwest............	559	190	1,239,516	ID	1,591,400	11.6
West..................	1,597	249	2,328,438	878,000	3,548,269	10.7
All Sections	**1,302**	**184**	**1,922,065**	**893,783**	**2,578,816**	**10.5**

ID – Insufficient Data.

Retail Gasoline Outlets and Volume

Region	Avg. No.	Less Than 50,000*	50,000 - 100,000*	100,000 +*
New England........	ID	ID	ID	ID
Mid-Atlantic..........	6.0	50.0	25.0	25.0
South.....................	6.2	53.8	30.8	15.4
Midwest.................	2.8	47.1	35.3	17.6
West......................	2.3	42.9	42.9	14.3
All Sections.........	**4.3**	**48.5**	**33.5**	**18.1**

* Percent reporting such volume in gal. per month.
ID – Insufficient Data.

Source: All data on pages 66, 67, 68, 69, Fuel Oil News, December 1991.

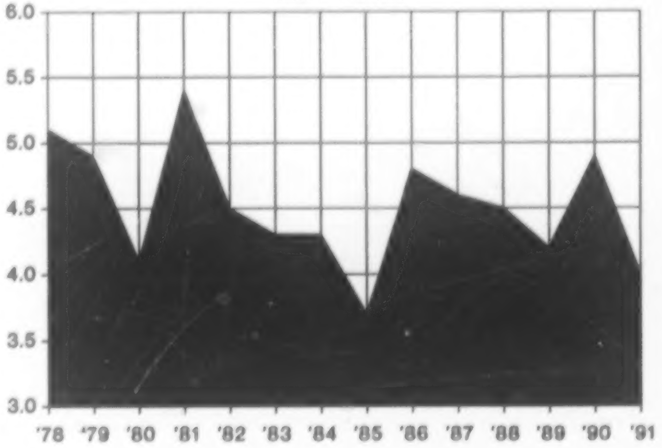
Average Age of Trucks

Region	Year of Oldest	Year of Newest
New England	1979.5	1986.8
Mid-Atlantic	1976.7	1987.5
South	1974.6	1986.2
Midwest	1978.2	1986.5
West	1974.7	1985.6
All Sections	**1976.7**	**1986.5**

Percent Buying This Year

Region	New Truck	New Tank
New England	19.4	5.6
Mid-Atlantic	25.0	1.0
South	28.6	28.6
Midwest	24.4	17.1
West	41.5	14.6
All Sections	**27.8**	**13.4**

Average Number of Delivery Trucks Per Marketer 1981 – 1991



Trucks Per Marketer

Region	Average No. Delivery Trucks	Average No. Trailers	Average Size (in gal.) Largest	Average Size (in gal.) Smallest	Opt. Size Preferred
New England	3.3	0.4	2,916	2,424	2,841
Mid-Atlantic	4.4	2.7	3,089	2,571	3,029
South	4.4	2.4	2,226	1,715	2,114
Midwest.............	3.1	2.0	2,236	1,874	2,284
West..................	4.7	2.6	3,060	1,990	2,608
All Sections	**4.0**	**2.0**	**2,714**	**2,115**	**2,575**

Truck Tanks by Type

Region	USE Steel	USE Alum	USE Both	PREFER Steel	PREFER Alum
New England	15.8	42.1	39.5	13.2	76.3
Mid-Atlantic	15.0	35.0	50.0	5.0	77.5
South	50.0	6.7	43.3	26.7	46.7
Midwest.............	68.3	4.9	17.1	31.7	26.8
West..................	32.4	18.9	48.6	24.3	59.5
All Sections	**36.3**	**21.5**	**39.7**	**20.2**	**57.4**

Trends in Equipment Sales Past 12 Months

(% of dealers reporting)

Region	Residential Up	C/I Up
New England	29.7	31.6
Mid-Atlantic	39.0	2.4
South	ID	ID
Midwest	55.6	0.1
West	50.0	12.5
All Sections	**43.6**	**11.7**

ID – Insufficient Data.

Computer Applications (% of marketers using EDP for listed operations)

Application	New England	Mid-Atlantic	South	Midwest	West	All Sections
Accts Rec/Billing	78.1	91.2	94.1	76.9	88.5	85.8
General Ledger	56.3	79.4	88.2	84.6	76.9	77.1
Accts Payable	56.3	70.6	82.4	69.2	76.9	71.1
Excise Tax	43.8	50.0	64.7	50.0	65.4	54.8
Word Processing	56.3	67.6	47.1	42.3	53.8	53.4
Delivery Sched	68.8	76.5	58.8	26.9	34.6	53.1
Payroll	28.1	50.0	52.9	46.2	69.2	49.3
Inventory Recon	40.6	38.2	58.8	69.2	38.1	49.0
Fixed Assets	31.3	32.4	70.6	38.5	38.5	42.3
Pricing Analysis	31.3	8.8	23.5	23.1	30.8	23.5
Supplier Costs	9.4	26.5	41.2	15.4	23.1	23.1
Oil Price Info	9.4	26.5	17.6	19.2	23.1	19.2
Comm w/Stations	3.1	8.8	11.8	15.4	42.3	16.3

Fuel Oil/Profiles

Dealers Operating Bulk Plants (in %)

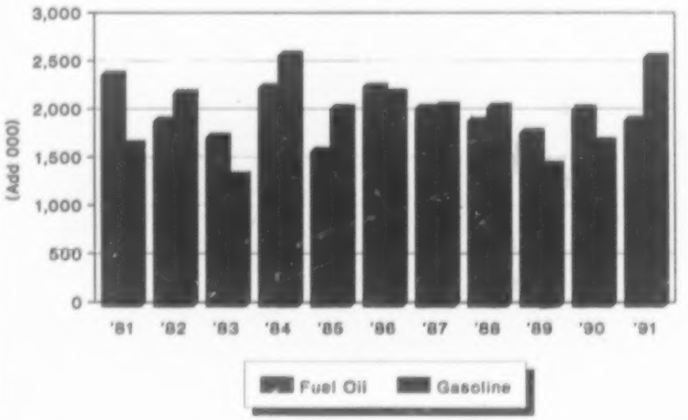
	With Bulk Plants	Bulk Plants Storing Other Prod
New England	39.0	68.8
Mid-Atlantic	51.2	57.1
South	80.0	89.3
Midwest	87.8	91.7
West	80.5	81.8
All Sections	**67.7**	**77.7**

Dealers Trading on the Oil Futures Market

Region	Percentage
New England	65.9
Mid-Atlantic	34.1
South	5.7
Midwest	4.9
West	*
All Sections	**22.1**

* – Less than 0.1%.

Average Marketer Volume in Gals. of Fuel Oil & Gasoline 1981 – 1991



Dealers Using Additives (%)

Region	Using Additives	Blended at Bulk plant
New England	51.2	23.8
Mid-Atlantic	46.3	10.5
South	28.6	*
Midwest	70.7	34.5
West	51.2	33.3
All Sections	**49.6**	**20.4**

Region	Blended on Trucks	Blended in Cust Tanks
New England	33.3	52.4
Mid-Atlantic	36.8	57.9
South	30.0	70.0
Mid-West	62.1	24.1
West	52.4	61.9
All Sections	**42.9**	**53.3**

* - Less than 0.1%

Percent of Fuel Oil Dealers Who Sell, Install and/or Service All Types of HVAC Equipment

New England	90.2
Mid-Atlantic	97.6
South	31.6
Midwest	22.0
West	39.0
All Sections	**56.1**

Percent of Fuel Oil Dealers Who Sell, Install and/or Service Selected HVAC Equipment

RESIDENTIAL

Region	Oil Burners	Gas Burners	Domestic Hot Water	Boilers	Hydronic Systems	Unitary Air Conditioning	Electric Resistance	Insulation	Solar
New England	100.0	48.6	81.1	78.4	54.1	32.4	*	2.7	2.7
Mid-Atlantic	97.6	41.5	87.8	85.4	68.3	31.7	14.6	4.9	9.8
South	100.0	37.5	62.5	37.5	*	12.5	12.5	25.0	*
Midwest.............	77.8	44.4	66.7	44.4	11.1	33.3	11.1	*	*
West..................	100.0	43.8	50.0	62.5	31.3	12.5	*	*	6.3
All Sections	**95.1**	**43.2**	**69.6**	**61.6**	**33.0**	**24.5**	**7.6**	**6.5**	**3.8**

COMMERCIAL

Region	Oil Burners	Gas Burners	Domestic Hot Water	Boilers	Hydronic Systems	Unitary Air Condition	Electric Resistance	Insulation	Solar
New England	73.0	27.0	64.9	45.9	37.8	8.1	*	*	*
Mid-Atlantic	63.4	29.3	43.9	51.2	31.7	7.3	2.4	2.4	2.4
South	62.5	25.0	37.5	25.0	*	12.5	12.5	12.5	*
Midwest.............	11.1	22.2	*	22.2	11.1	*	*	*	*
West..................	75.0	31.3	43.8	43.8	25.0	6.3	*	*	6.3
All Sections	**57.0**	**30.0**	**38.0**	**37.6**	**21.1**	**6.8**	**3.0**	**3.0**	**1.7**

* — Less than 0.1%.

Petroleum Products Sold (% of total volume)

Region	No. 2	No. 1	No. 4	Nos. 5&6	No. 2 for Diesel	Gasoline	Lpg/Lng	Other
New England	86.4	4.3	1.6	1.6	7.7	2.4	1.0	0.7
Mid-Atlantic	76.1	4.4	*	*	8.7	11.2	*	*
South	37.9	12.2	6.7	*	22.2	31.2	1.8	*
Midwest.................	31.4	5.6	0.3	*	20.9	33.2	5.4	0.2
West......................	29.3	5.8	*	0.5	26.9	33.0	2.6	1.6
All Sections	**52.2**	**6.5**	**1.7**	**0.4**	**17.3**	**22.2**	**2.2**	**0.5**

* – Less than 0.1%

Average Number of Units Installed in Past 12 Months

RESIDENTIAL

Region	Burners	Boilers	Furn
New England	22.2	23.2	11.8
Mid-Atlantic	13.7	22.7	12.8
South	8.7	2.3	48.0
Midwest	3.0	8.0	33.6
West	17.0	18.8	18.4
All Sections	**12.9**	**15.0**	**24.9**

COMMERCIAL

Region	Burners	Boilers	Furn
New England	3.6	3.0	1.0
Mid-Atlantic	7.3	3.8	3.0
South	ID	ID	ID
Midwest	ID	ID	ID
West	3.0	1.2	3.0
All Sections	**4.6**	**2.7**	**2.3**

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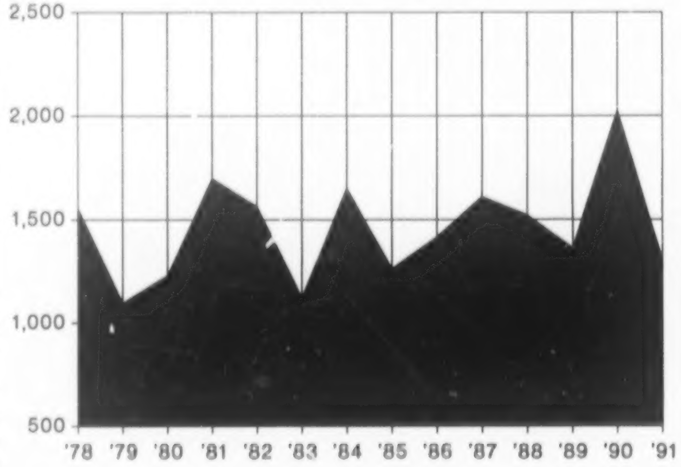
Average Number of Residential Fuel Oil Customers 1978 – 1991



Percent of Fuel Oil Dealers Who Sell, Install and/or Service Selected HVAC Equipment (Continued)

RESIDENTIAL

Region	Furnaces	Warm Air Systems	Central Air Condition	Heat Pump	Cont Air Circ
New England.....	97.3	83.8	27.0	8.1	2.7
Mid-Atlantic	95.1	78.0	53.1	26.8	7.3
South.................	100.0	75.0	50.0	12.5	*
Midwest.............	66.7	55.6	44.1	11.1	11.1
West..................	93.8	62.5	18.8	12.5	12.5
All Sections......	**90.6**	**71.0**	**38.7**	**14.2**	**6.7**

COMMERCIAL

Region	Furnaces	Warm Air Systems	Central Air Conditioning	Heat Pump
New England.....	64.9	40.5	*	*
Mid-Atlantic	51.2	41.5	22.0	14.6
South.................	37.5	25.0	37.5	12.5
Midwest.............	11.1	*	11.1	*
West..................	68.8	50.0	25.0	12.5
All Sections......	**46.7**	**31.4**	**19.1**	**7.9**

* – Less than 0.1%

Top 10 Importers of Crude and Product, 1990 (a)

CRUDE OIL AND PRODUCT

Company	Headquarters	Volume (000-b/d)	Percent of U.S. Total
Chevron	San Francisco	725	9.11%
Star	Houston	621	7.81
Exxon	New York	483	6.07
Amoco	Chicago	475	5.97
Sun	Philadelphia	379	4.76
Shell	Houston	373	4.69
Mobil	Fairfax, Va.	336	4.22
BP America	Cleveland	305	3.83
Amerada Hess	New York	295	3.71
Coastal	Houston	286	3.60
Total Top 10		**4,278**	**53.78**
Total U.S.		**7,954**	

CRUDE OIL ONLY

Company	Headquarters	Volume (000-b/d)	Percent of U.S. Total
Chevron	San Francisco	655	11.15%
Star	Houston	610	10.38
Amoco	Chicago	454	7.73
Shell	Houston	352	5.99
Exxon	New York	325	5.53
Sun	Philadelphia	315	5.36
Mobil	Fairfax, Va.	309	5.26
BP America	Cleveland	270	4.59
U.S. Steel	Pittsburgh	224	3.81
Koch	Wichita, Kan.	221	3.76
Total Top 10		**3,735**	**63.56**
Total U.S.		**5,876**	

FINISHED MOTOR GASOLINE

Company	Headquarters	Volume (000-b/d)	Percent of U.S. Total
Amerada Hess	New York	46	13.94%
Getty	Jericho, N.Y.	31	9.39
Bear Stearns	New York	21	6.36
Mobil	Fairfax, Va.	21	6.36
Citgo	Tulsa	20	6.06
Cumberland Farms	Canton, Mass.	19	5.76
C Itoh (Amer)	Houston	16	4.85
Coastal	Houston	15	4.55
Texport	Houston	15	4.55
Global Petro	Waltham, Mass.	14	4.24
Total Top 10		**218**	**66.06**
Total U.S.		**330**	

DISTILLATE FUEL OIL

Company	Headquarters	Volume (000-b/d)	Percent of U.S. Total
Amerada Hess	New York	64	23.10%
Cargill	Minneapolis	32	11.55
Global Petro	Waltham, Mass.	26	9.39
Coastal	Houston	21	7.58
Axel Johnson	New York	13	4.69
Northville	Melville, N.Y.	13	4.69
G.E. Warren	Vero Beach, Fla.	13	4.69
Citgo	Tulsa	9	3.25
Aron J & Co.	New York	7	2.53
Astroline	Reading, Mass.	7	2.53
Total Top 10		**205**	**74.01**
Total U.S.		**277**	

RESIDUAL FUEL OIL

Company	Headquarters	Volume (000-b/d)	Percent of U.S. Total
Amerada Hess	New York	93	18.4%
Coastal	Houston	49	9.72
Vitol S.A.	Houston	42	8.33
Chevron	San Francisco	40	7.94
Clarendon Marketing	Stamford, Conn.	36	7.14
Global Petro	Waltham, Mass	34	6.75
Clark Trading	Clayton, Mo.	24	4.76
BP America	Cleveland	21	4.17
Solomon Inc.	Greenwich, Conn.	18	3.57
Sun	Philadelphia	17	3.37
Total Top 10		**374**	**74.21**
Total U.S.		**504**	

JET FUELS

Company	Headquarters	Volume (000-b/d)	Percent of U.S. Total
Amerada Hess	New York	21	20.39%
Citgo	Tulsa	14	13.59
BP America	Cleveland	11	10.68
United Airlines	Elk Grove, Ill.	9	8.74
Defense Fuel Supp. Ctr.	Alexandria, Va.	8	7.77
Texport	Houston	8	7.77
Cumberland Farms	Canton, Mass.	7	6.80
PanAm World Airways	New York	7	6.80
Texaco	White Plains, N.Y.	7	6.80
Mobil	Fairfax, Va.	5	4.85
Total Top 10		**97**	**94.17**
Total U.S.		**103**	

(a) New data not available at presstime.

Source: Energy Information Administration, Petroleum Supply Monthly, Special Report, March 1991.

U.S. Dependency on Crude & Product Imports, 1991

(000 b\d)

	Net Imports						Net Imports as % of U.S. Petroleum Products Supplied		
Year Quarter	Total From All Countries	From Arab OPEC Members	% From Arab OPEC	From All OPEC Members	% From All OPEC	U.S. Petroleum Petroleum Supplied	Total From All Countries	Total From Arab OPEC Members	Total From All OPEC Members
1991 Avg.	**6,575**	**2,048**	31.1	4,033	**61.3**	**16,641**	**39.5**	**12.3**	**24.2**
1st Qtr.	5,633	1,957	34.7	3,699	65.7	16,427	34.3	11.9	22.5
2nd Qtr.	7,083	2,253	31.8	4,259	60.1	16,319	43.4	13.8	26.1
3rd Qtr.	7,168	2,026	28.3	4,217	58.9	16,918	42.4	12.0	24.9
4th Qtr.	6,401	1,958	30.6	3,954	61.8	16,891	37.9	11.6	23.4
1990 Avg.	**7,161**	**2,243**	**31.3**	**4,285**	**59.8**	**16,988**	**42.2**	**13.2**	**25.2**
1st Qtr.	7,721	2,420	31.3	4,617	59.8	17,072	45.2	14.2	27.0
2nd Qtr.	7,733	2,245	29.0	4,397	56.9	16,952	45.6	13.2	25.9
3rd Qtr.	7,565	2,514	33.2	4,621	61.1	17,223	43.9	14.6	26.8
4th Qtr.	5,643	1,795	31.8	3,513	62.3	16,708	33.8	10.7	21.0
1989 Avg.	**7,202**	**2,128**	**29.5**	**4,124**	**57.3**	**17,325**	**41.6**	**12.3**	**23.8**
1988 Avg.	**6,587**	**1,837**	**27.9**	**3513**	**53.3**	**17,283**	**38.1**	**10.6**	**20.3**
1987 Avg.	**5,914**	**1,272**	**21.5**	**3,053**	**51.6**	**16,665**	**35.5**	**7.6**	**18.3**
1986 Avg.	**5,493**	**1,160**	**21.3**	**2,828**	**52.0**	**16,281**	**33.4**	**7.1**	**17.4**
1985 Avg.	**4,286**	**470**	**11.0**	**1,821**	**42.5**	**15,726**	**27.3**	**3.0**	**11.6**
1984 Avg.	**4,715**	**817**	**17.3**	**2,037**	**43.2**	**15,726**	**30.0**	**5.2**	**13.0**
1983 Avg.	**4,312**	**630**	**14.6**	**1,843**	**42.7**	**15,231**	**28.3**	**4.1**	**12.1**
1982 Avg.	**4,298**	**852**	**19.8**	**2,136**	**49.7**	**15,296**	**28.1**	**5.6**	**14.0**
1981 Avg.	**5,401**	**1,844**	**34.1**	**3,315**	**61.4**	**16,058**	**33.6**	**11.5**	**20.6**

Source: Energy Information Administration, Monthly Energy Review, Table 1.8, March 1992.

Petroleum Products Imported, 1989 – 1991

(000 b/d)

Year/Product	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1991												
Total Motor Gasoline	284	142	280	431	575	408	260	420	333	243	348	245
Finished Leaded	0	0	0	0	0	0	0	0	0	0	0	0
Finished Unleaded	227	106	235	371	528	371	232	385	320	236	318	216
Blending Components	57	37	45	60	48	37	28	35	13	6	30	29
Jet Fuel	67	44	65	73	87	64	67	72	65	59	37	42
Distillate Fuel Oil	190	138	206	258	185	209	153	167	221	206	245	252
Residual Fuel Oil	422	384	331	416	420	499	419	568	473	438	454	547
Other Petroleum Products (a)	800	638	540	673	842	680	865	728	858	767	931	664
1990 (b)												
Total Motor Gasoline	488	474	346	380	648	507	520	357	316	216	316	280
Finished Leaded	1	0	0	0	2	3	1	6	0	0	0	0
Finished Unleaded	416	411	270	328	583	373	431	307	253	192	259	263
Blending Components	71	63	76	52	63	131	89	44	62	24	57	16
Jet Fuel	163	158	120	103	119	125	90	83	81	71	93	82
Distillate Fuel Oil	505	357	281	308	209	527	236	293	226	190	238	239
Residual Fuel Oil	825	663	335	559	507	485	536	574	313	383	387	484
Other Petroleum Products (a)	1,004	852	766	694	897	949	801	885	761	725	884	743
1989												
Total Motor Gasoline	383	541	451	456	408	427	438	413	406	450	475	381
Finished Leaded	4	5	3	12	5	6	1	0	0	0	0	0
Finished Unleaded	349	418	378	358	351	380	381	360	320	389	406	306
Blending Components	30	118	70	85	52	41	56	53	87	61	69	75
Jet Fuel	101	120	101	127	120	124	113	90	95	74	91	115
Distillate Fuel Oil	346	331	439	301	290	233	334	254	249	261	307	324
Residual Fuel Oil	909	877	706	681	538	533	556	501	454	583	543	680
Other Petroleum Products (a)	855	859	724	763	693	685	713	736	770	747	755	615

(a) Includes kerosine, unfinished oils, motor gasoline blending components, liquefied petroleum gases and other oils.

(b) Revised.

Source: Energy Information Administration, Weekly Petroleum Status Report, March 6, 1992.

Role of Imports in Domestic Demand

(000 bbl.)

	Total Imports			Domestic Demand for Refined Products			
Year	Total (a)	b/d Avg.	% Change From Previous Year	Total	b/d Avg.	% Change From Previous Year	Imports as % of U.S. Demand
1991	2,765,240	5,576	(30.5)	6,055,147(d)	16,589 (d)	(2.3)	45.6
1990 (b)	2,926,570	8,018	(0.5)	6,200,620	16,988	(2.0)	47.1
1989	2,942,265	8,061	8.9	6,323,625	17,325	0.2	46.5
1988	2,701,730	7,402	10.8	6,308,295	17,284 (b)	3.7	42.8
1987	2,437,470	6,678	7.3	6,082,725	16,665	2.3	40.1
1986	2,271,760	6,224	22.8	5,945,565	16,281	3.5	38.2
1985 (c)	1,849,455	5,067	(6.8)	5,739,990	15,726	—	32.2
1984	1,984,505	5,437	7.6	5,739,990	15,726	3.2	34.6
1983	1,843,615	5,051	(1.2)	5,559,315	15,231	(0.4)	33.2
1982	1,866,245	5,113	(14.7)	5,583,040	15,296	(4.7)	33.4
1981	2,188,540	5,996	(13.2)	5,861,170	16,058	(5.9)	37.3
1980	2,521,785	6,909	(18.3)	6,225,440	17,056	(7.9)	40.5
1979	3,086,440	8,456	1.1	6,757,245	18,513	(1.8)	45.7

(a) Crude oil and products, but not crude from Strategic Petroleum Reserve.

(b) Revised.

(c) Data for 1977-1985 are restated to reflect EIA information rather than other sources used in 1984.

(d) Preliminary.

Source: Energy Information Administration, Monthly Energy Review, March 1992, Table 3.1b; American Petroleum Institute, Basic Petroleum Data Book, Vol. XII, No. 1, Section VII, Table 2.

Crude and Imports by PAD District

PAD District 1

Total crude imports: 1,210,00 b/d
Major sources, crude: Saudi Arabia, Nigeria

Total product imports: 1,139,00 b/d
Products: Venezuela, Virgin Islands

	1991	1990 (a)	% Change 1991 vs. 1990	1989	1988	1987
Finished gasoline	272	295	(7.8)	334	351	324
Blending components	28	49	(42.9)	44	50	40
Unfinished oils	153	113	35.4	122	122	106
Liquefied petroleum gases	19	34	(44.1)	27	37	38
Distillates	185	263	(29.7)	284	270	221
Residual	373	450	(17.1)	566	556	516
Other products	109	133	(18.0)	115	120	90
Total Products	**1,139**	**1,337**	**(14.8)**	**1,492**	**1,506**	**1,335**
Crude Oil	1,210	1,179	2.6	1,195	1,164	1,109
Total Crude and Products	**2,349**	**2,516**	**(6.6)**	**2,687**	**2,670**	**2,444**

PADD 1 includes Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Delaware, Maryland, West Virginia, North Carolina, South Carolina, Georgia and Florida.

PAD District 2

Total crude imports: 1,112,000 b/d
Major sources, crude: Canada, Saudi Arabia, Venezuela

Total product imports: 100,000 b/d
Products: Canada

	1991	1990 (a)	% Change 1991 vs. 1990	1989	1988	1987
Finished gasoline	9	6	50.0	5	4	4
Blending components	2	(s)	—	0	1	(s)
Unfinished oils	1	2	(50.0)	0	3	(s)
Liquefied petroleum gases	68	73	(6.8)	93	89	76
Distillates	10	6	66.7	8	6	8
Residual	2	2	0	4	4	6
Other products	8	9	(12.5)	7	21	8
Total Products	**100**	**98**	**2.0**	**117**	**128**	**102**
Crude Oil	1,112	1,116	(0.4)	1,048	923	860
Total Crude and Products	**1,212**	**1,214**	**(0.2)**	**1,165**	**1,051**	**962**

PADD 2 includes North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Minnesota, Iowa, Missouri, Wisconsin, Illinois, Michigan, Indiana, Ohio, Kentucky and Tennessee.

PAD District 3

Total crude imports: 3,207,000 b/d
Major sources, crude: Saudi Arabia, Mexico, Venezuela

Total product imports: 485,000 b/d
Products: Algeria, Venezuela

	1991	1990 (a)	% Change 1991 vs. 1990	1989	1988	1987
Finished gasoline	2	14	(85.7)	5	9	15
Blending components	5	10	(50.0)	13	7	7
Unfinished oils	244	285	(14.4)	217	224	169
Liquefied petroleum gases	39	60	(35.0)	45	61	53
Distillates	(s)	2	—	3	2	6
Residual	52	28	85.7	16	22	25
Other products	143	169	(15.4)	172	91	96
Total Products	**485**	**568**	**(14.6)**	**471**	**416**	**371**
Crude Oil	3,207	3,248	(1.2)	3,230	2,734	2,417
Total Crude and Products	**3,692**	**3,816**	**(3.2)**	**3,701**	**3,150**	**2,788**

PADD 3 includes Alabama, Arkansas, Louisiana, Texas and New Mexico.

PAD District 4

Total crude imports: 85,000 b/d
Major sources, crude: Canada

Total product imports: 15,000 b/d
Products: Canada

	1991	1990 (a)	% Change 1991 vs. 1990	1989	1988	1987
Finished gasoline	1	1	—	1	2	2
Blending components	0	0	0	0	0	0
Unfinished oils	0	0	0	0	0	0
Liquefied petroleum gases	8	6	33.3	7	12	12
Distillates	3	2	50.0	2	3	2
Residual	(s)	(s)	(s)	(s)	(s)	(s)
Other Products	3	4	(25.0)	(s)	1	2
Total Products	**15**	**13**	**15.4**	**10**	**18**	**18**
Crude Oil	85	74	14.9	67	63	64
Total Crude and Products	**100**	**87**	**14.9**	**77**	**81**	**82**

PADD 4 includes Montana, Idaho, Wyoming, Utah and Colorado.

PAD District 5

Total crude imports: 168,000 b/d
Major sources, crude: Indonesia

Total product imports: 55,000 b/d
Products: Canada

	1991	1990 (a)	% Change 1991 vs. 1990	1989	1988	1987
Finished gasoline	12	14	(14.3)	18	21	21
Blending components	(s)	1	—	1	1	14
Unfinished oils	7	3	133.3	7	2	4
Liquefied petroleum gases	2	5	(60.0)	6	10	11
Distillates	4	4	0	5	3	3
Residual	21	23	(8.7)	24	12	7
Other Products	9	13	(30.8)	28	19	14
Total Products	**55**	**63**	**(12.7)**	**89**	**68**	**74**
Crude Oil	168	258	(34.9)	266	175	189
Total Crude and Products	**223**	**321**	**(30.5)**	**355**	**243**	**263**

PADD 5 includes Arizona, Nevada, California, Oregon, Washington, Alaska and Hawaii.

All PAD Districts – U.S. Totals

Total crude imports: 5,782,000 b/d
Major sources, crude: Saudi Arabia, Mexico, Canada, Nigeria, Venezuela

Total product imports: 1,794,000 b/d
Products: Venezuela, Canada, Virgin Islands, Algeria

	1991	1990 (a)	1991 vs. 1990	% Change 1989	1988	1987
Finished gasoline	297	330	(10.0)	363	386	366
Blending components	35	61	(42.6)	59	58	61
Unfinished oils	405	404	2.0	346	351	280
Liquefied petroleum gases	136	187	(27.3)	179	210	190
Distillates	203	277	(26.6)	302	283	240
Residual	448	504	(11.1)	610	595	553
Other Products	270	317	(14.8)	332	251	210
Total Products	**1,794**	**2,078**	**(13.7)**	**2,191**	**2,134**	**1,900**
Crude Oil	5,782	5,876	(1.6)	5,808	5,059	4,639
Total Crude and Products	**7,576**	**7,954**	**(4.8)**	**7,999**	**7,193**	**6,539**

(a) Revised.

Source: Energy Information Administration, Petroleum Supply Monthly, Tables 34 and 40, February 1992.

World Crude Oil Production by Area

(000,000 bbl.)

Year (a)	United States	Canada	Latin America	Total Western Hemisphere	Western Europe	Middle East	Africa	Asia/ Pacific	C.I.S./ Eastern Europe (b)	Communist Nations	Total World
1990	2,685	565	2,467	5,737	1,400	5,992	2,176	2,259	4,151	N/A	21,175
1989	2,779	568	2,336	5,683	1,314	5,846	1,974	1,187	N/A	5,381	21,385
1988	2,979	589	2,303	5,871	1,389	5,297	1,829	1,148	N/A	5,511	21,045
1986	3,168	537	2,190	5,895	1,395	4,639	1,820	1,177	N/A	5,403	20,329
1984	3,250	516	2,316	6,082	1,332	4,128	1,714	1,165	N/A	5,333	19,754
1982	3,157	464	2,256	5,877	1,078	4,622	1,630	956	N/A	5,213	19,376

(a) As of January 1 of each year.

(b) Due to the political changes in the former Soviet Union (now the Commonwealth of Independent States [C.I.S.]) and Eastern Europe, the category Communist Nations has been discontinued. Beginning with 1990, all countries will be grouped by geographic regions rather than politcial ideology. Therefore, while the data for previous years have not changed, the table has been altered to reflect the new arrangement.

Source: *American Petroleum Institute, Basic Petroleum Data Book, Vol. XII, No. 1, Section IV, Table 1, January 1992.*

World Crude Oil Reserves by Area

(000,000 bbl.)

Year (a)	United States	Canada	Latin America	Total Western Hemisphere	Western Europe	Middle East	Africa	Asia/ Pacific	C.I.S./ Eastern Europe (b)	Communist Nations	Total World
1991	26,254	5,783	121,091	153,128	14,476	662,578	59,892	50,242	58,855	N/A	999,171
1990	26,501	6,134	125,027	157,661	18,822	660,247	58,837	22,545	N/A	84,100	1,002,213
1989	26,825	6,786	121,951	155,561	18,557	571,519	56,964	21,367	N/A	83,800	907,769
1988	27,256	6,825	114,332	148,413	22,448	364,680	55,250	19,354	N/A	79,200	689,345
1986	28,416	6,500	84,242	119,158	26,413	398,036	56,734	18,856	N/A	81,370	700,567
1984	27,735	6,730	81,676	116,141	23,020	370,101	56,907	18,969	N/A	84,600	669,738
1982	29,426	7,300	84,982	121,708	24,635	362,840	56,172	19,151	N/A	85,845	670,351

(a) As of January 1 of each year.

(b) Due to the political changes in the former Soviet Union (now the Commonwealth of Independent States [C.I.S.]) and Eastern Europe, the category Communist Nations has been discontinued. Beginning with 1991, all countries will be grouped by geographic regions rather than politcial ideology. Therefore, while the data for previous years have not changed, the table has been altered to reflect the new arrangement.

Source: *American Petroleum Institute, Basic Petroleum Data Book, Vol. XII, No. 1, Section II, Table 1, January 1992.*

World Crude Oil Refining Capacity by Area

(000 b/d)

Year (a)	United States	Other Western Hemisph.	Total Western Hemisph.	Western Europe	Middle East	Africa	Asia/ Pacific	Subtotal	C.I.S./ Eastern Europe (b)	Communist Nations	Total World
1991	15,559	9,436	24,995	14,224	5,021	2,872	12,603	59,714	14,927	N/A	74,642
1990	15,572	9,006	24,578	14,234	3,969	2,823	9,982	55,585	N/A	17,798	73,384
1989	15,557	8,839	24,396	13,859	4,335	2,787	10,065	55,441	N/A	17,798	73,240
1988	15,915	8,857	24,772	14,128	4,146	2,630	10,274	55,951	N/A	17,610	73,560
1986	15,459	8,614	24,073	14,072	4,274	2,520	10,112	55,050	N/A	17,500	72,551
1984	16,137	9,591	25,728	16,232	3,901	1,880	10,473	58,214	N/A	17,200	75,414
1982	17,890	10,720	28,610	19,445	3,312	1,762	10,967	64,095	N/A	16,533	80,629

(a) As of January 1 of each year.

(b) Due to the political changes in the former Soviet Union (now the Commonwealth of Independent States [C.I.S.]) and Eastern Europe, the category Communist Nations has been discontinued. Beginning with 1991, all countries will be grouped by geographic regions rather than politcial ideology. Therefore, while the data for previous years have not changed, the table has been altered to reflect the new arrangement.

Source: *American Petroleum Institute, Basic Petroleum Data Book, Vol. XII, No. 1, Section VIII, Table 1, January 1992.*

World Natural Gas Production by Area

(000,000,000 cu.ft.)

Year (a)	United States	Canada	Latin America	Total Western Hemisphere	Western Europe	Middle East	Africa	Asia/ Pacific	C.I.S./ Eastern Europe (b)	Communist Nations	Total World
1990	18,562	4,267	3,640	26,469	6,824	4,234	2,202	4,552	31,014	N/A	75,295
1989	18,045	4,161	3,552	25,758	6,726	3,646	2,892	4,380	N/A	30,951	74,353
1988	17,842	3,990	3,526	25,358	6,594	2,890	2,089	4,073	N/A	30,314	71,318
1986	16,791	3,168	3,414	23,373	6,520	1,823	1,662	3,321	N/A	27,088	63,787
1984	18,230	2,652	3,452	24,333	6,795	1,533	1,629	2,531	N/A	23,272	60,094
1982	18,520	2,546	3,072	24,137	6,142	1,800	1,169	2,177	N/A	20,258	55,684

(a) As of January 1 of each year.

(b) Due to the political changes in the former Soviet Union (now the Commonwealth of Independent States [C.I.S.]) and Eastern Europe, the category Communist Nations has been discontinued. Beginning with 1990, all countries will be grouped by geographic regions rather than politcial ideology. Therefore, while the data for previous years have not changed, the table has been altered to reflect the new arrangement.

Source: *American Petroleum Institute, Basic Petroleum Data Book, Vol. XII, No. 1, Section XIII, Table 4, January 1992.*

Crude Oil Reserves in 20 Leading Nations

	(Add 000 bbl.)			% of Total World		
Nation	**Jan. 1, 1991**	**Jan. 1, 1990**	**Jan. 1, 1989**	**1991**	**1990**	**1989**
Saudi Arabia (a)	257,504,000	254,959,000	169,970,000	25.8%	25.5%	18.7%
Iraq	100,000,000	100,000,000	100,000,000	10.0	10.0	11.0
United Arab Emirates	97,700,000	97,705,000	92,205,000	9.8	9.2	10.2
Kuwait (a)	94,525,000	94,525,000	91,920,000	9.5	9.4	10.1
Iran	92,850,000	92,860,000	92,850,000	9.3	9.3	10.2
Venezuela	59,040,000	58,504,000	58,083,900	5.9	5.8	6.4
C.I.S. (b)	57,000,000	58,400,000	58,500,000	5.7	5.8	6.4
Mexico	51,983,000	56,365,000	54,110,000	5.2	5.6	6.0
United States	26,254,000	26,501,000(c)	26,825,000	2.6	2.6	3.0
China	24,000,000	24,000,000	23,500,000	2.4	2.4	2.6
Libya	22,800,000	22,800,000	22,000,000	2.3	2.3	2.4
Nigeria	17,100,000	16,000,000	16,000,000	1.7	1.6	1.8
Indonesia	11,050,000	8,200,000	8,250,000	1.1	0.8	0.9
Algeria	9,200,000	9,200,000	8,400,000	0.9	0.9	0.9
India	7,997,100	7,516,400	6,354,000	0.8	0.7	0.7
Norway	7,609,412	11,546,204	10,435,000	0.8	1.2	1.1
Canada	5,782,949	6,133,495	6,785,514	0.6	0.6	0.7
Neutral Zone (a)	5,000,000	5,200,000	N.R.	0.5	0.5	N.R.
Qatar	4,500,000	4,500,000	N.R.	0.5	0.4	N.R.
Egypt	4,500,000	4,500,000	4,300,000	0.5	0.4	0.5
Total World	**999,113,472**	**1,002,212,623**	**907,767,751**	—	—	—

(a) Saudi Arabia and Kuwait share equally the production from the Neutral Zone located between the two nations. Neutral Zone reserves are not included in their figures, but are listed here separately.
(b) Commonwealth of Independent States (formerly U.S.S.R.)
(c) Revised figures.
N.R. – Not Ranked
Source: American Petroleum Institute, Basic Petroleum Data Book, Vol. XII, No. 1, Section II, Table 4, January 1992.

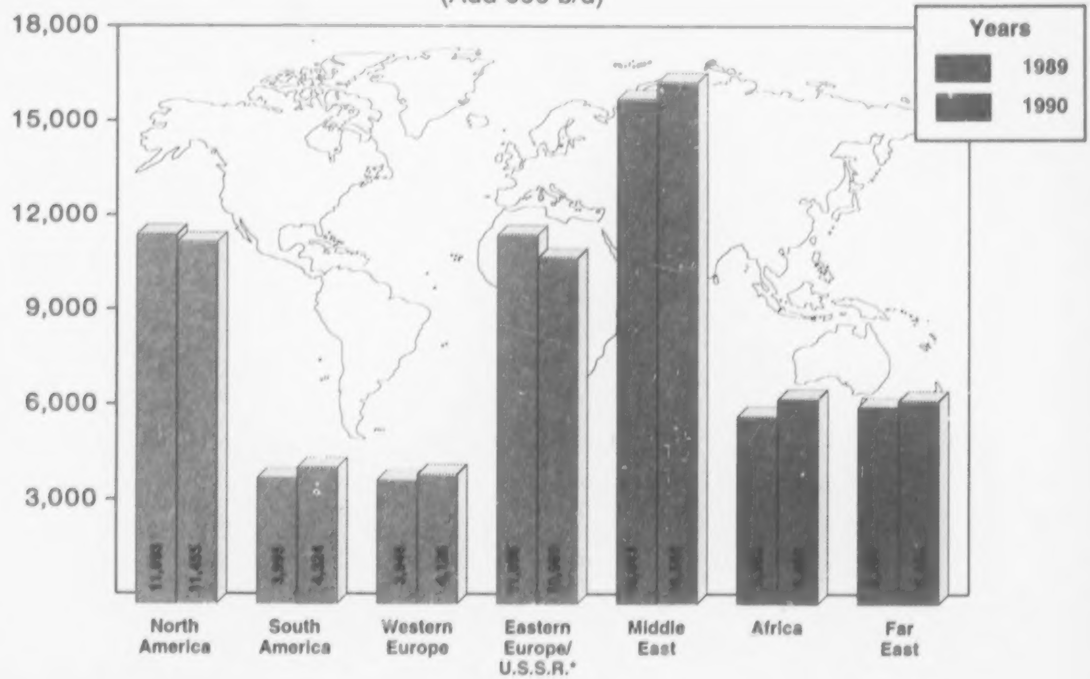
Crude Oil Production in 20 Leading Nations

	Add 000 bbl. 1990		Add 000 bbl. 1989		Add 000 bbl 1988		% of Total World		
Nation	**Total**	**b/d**	**Total**	**b/d**	**Total**	**b/d**	**1990**	**1989**	**1988**
C.I.S. (a)	4,015,000	11,000	4,227,065	11,581	4,357,230	11,938	18.5	19.8	20.7
United States (b)	2,684,687	7,355	2,778,773	7,613	2,979,123	8,162	12.4	13.0	14.2
Saudi Arabia (c)	2,294,755	6,287	1,789,960	4,904	1,876,848	5,142	10.6	8.4	8.9
Iran	1,122,740	3,076	1,043,170	2,858	835,944	2,290	5.2	4.9	4.0
China	1,010,685	2,769	1,009,225	2,765	1,003,572	2,750	4.7	4.7	4.8
Mexico	930,020	2,548	953,745	2,613	953,796	2,613	4.3	4.5	4.5
Venezuela	767,595	2,103	625,245	1,713	607,926	1,666	3.5	2.8	2.9
United Arab Emirates	752,630	2,062	686,930	1,882	551,196	1,510	3.7	2.6	2.6
Iraq	711,020	1,948	1,025,285	2,809	951,234	2,606	3.3	4.8	4.5
Nigeria	649,335	1,779	598,235	1,639	504,714	1,391	3.0	2.8	2.4
United Kingdom	617,580	1,692	598,600	1,640	789,462	2,163	2.8	3.7	3.8
Norway	584,730	1,602	528,155	1,447	404,430	1,108	2.7	2.5	1.9
Canada	565,020	1,548	567,575	1,555	588,894	1,613	2.6	2.7	2.8
Libya	492,750	1,350	400,040	1,096	385,764	975	2.3	1.9	1.8
Indonesia	455,885	1,249	444,205	1,217	424,194	1,162	2.1	2.1	2.0
Kuwait (c)	391,645	1,073	584,730	1,602	459,330	1,258	1.8	2.7	2.2
Egypt	319,375	875	310,980	852	310,368	850	1.5	1.5	1.5
Algeria	279,225	765	253,675	695	231,678	635	1.3	1.2	1.1
India	243,090	666	246,740	676	232,410	637	1.1	1.2	1.1
Oman	242,360	664	223,745	613	221,430	607	1.1	1.0	1.1
Total World	**21,714,692**	**59,411**	**21,366,810**	**58,594**	**21,032,556**	**57,623**	—	—	—

(a) Commonwealth of Independent States (formerly U.S.S.R.)
(b) Includes lease condensate.
(c) Excluding Neutral Zone production.
Source: American Petroleum Institute, Basic Petroleum Data Book, Vol. XII, No. 1, Section IV, Table 2, January 1992.

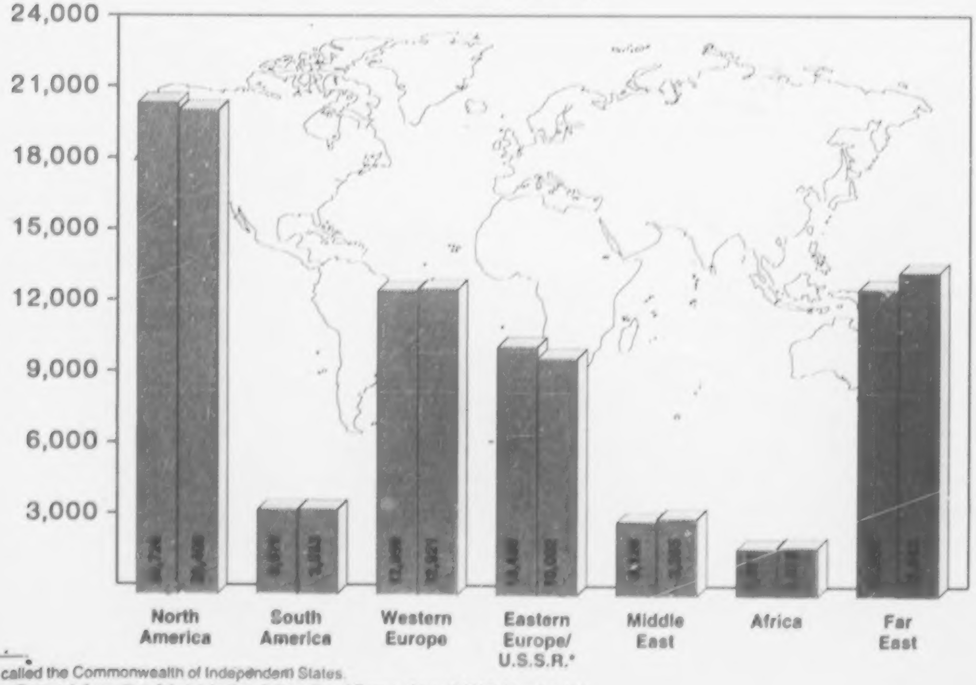
World Crude Oil Production, 1989 – 1990

(Add 000 b/d)



World Petroleum Consumption, 1989 – 1990

(Add 000 b/d)



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* Now called the Commonwealth of Independent States.

Source: Energy Information Administration, International Energy Annual 1990, March 1991.

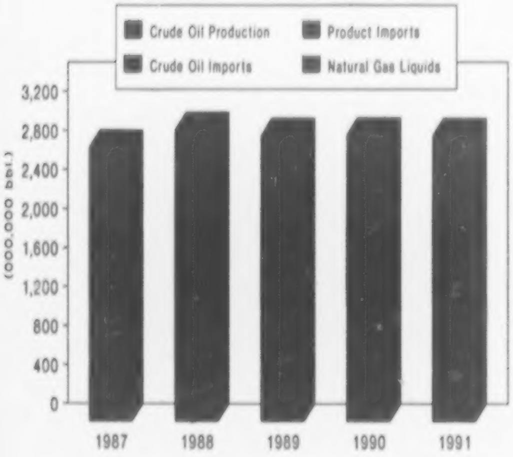
Canadian Refined Sales Taper Off

All things considered, basic supply and demand factors for Canada weren't too bad when 1991's production and consumption figures are added up. The relatively rosy totals, of course, tend to obscure the soft market conditions (recession, low demand, etc.) that began to kick in last year, nor do they predict the continuing softness in Canada's oil industry extending into 1992.

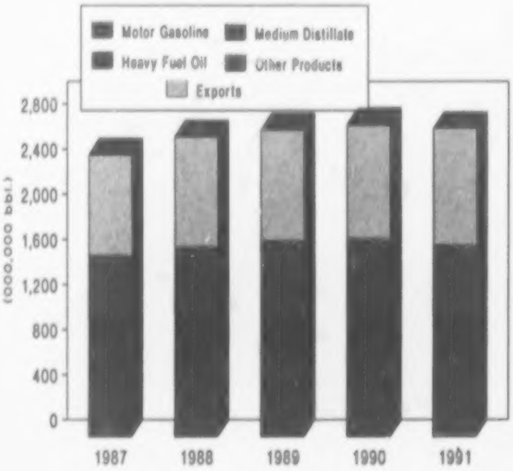
In fact, Canadian oil output and consumption both set new records in 1991. Demand for gasoline, distillates, heavy fuel oil, exports and other products was up 2% to 1.03-billion bbl. over the previous year. The increase in Canadian oil exports (up 12%) was particularly impressive. On the supply side, crude oil and NGL production and crude and product imports were up slightly under 1% to 938-million bbl.

Refined product sales in Canada provide a more sobering picture of the country's oil market. According to Statistics Canada, sales in all categories of products were down in 1991. Demand for aviation fuels and heavy fuel oil was particularly hard hit last year.

Canadian Supply



Canadian Demand



Refined Product Sales, 1991

(Cubic Meters) (a)

Province	Aviation Gas	Motor Gas	Aviation Turbine	Kerosine	Diesel	Light Fuel	Heavy Fuel	Lubes & Greases
Newfoundland	2,855	584,853	290,024	31,232	510,177	290,779	484,374	10,399
Prince Edward Island	299	184,110	4,197	10,573	95,360	152,014	31,318	2,199
Nova Scotia	1,564	1,061,952	193,681	47,920	586,333	795,387	1,172,662	15,998
New Brunswick	2,245	939,036	33,312	19,230	608,745	456,621	1,844,230	20,726
Quebec	19,893	6,878,305	820,933	209,495	2,829,063	1,853,738	2,149,631	141,838
Ontario	28,621	12,323,111	1,312,315	109,944	4,032,150	1,627,033	1,091,932	401,274
Manitoba	12,260	1,396,978	168,589	56,156	786,066	46,293	73,484	26,492
Saskatchewan	8,375	1,641,334	78,357	26,533	1,209,795	48,517	28,397	39,511
Alberta	12,277	4,203,121	579,987	23,105	2,586,559	49,042	60,353	102,780
British Columbia	27,686	3,627,459	927,686	54,791	2,559,150	389,519	1,110,052	102,875
Yukon	3,339	55,845	4,539	4,965	71,245	26,963	170	826
Northwest Territories	5,249	38,272	75,884	63,271	114,943	65,704	10,184	1,477
Total 1991	**124,663**	**32,934,376**	**4,489,493**	**657,215**	**15,989,586**	**5,801,610**	**8,056,787**	**866,395**
Total 1990	**164,299**	**33,942,976**	**5,001,978**	**688,479**	**16,826,482**	**6,416,151**	**9,650,307**	**933,642**

(a) To convert to bbl., multiply cubic meters by 6.2886.
(b) Revised.
Source: Statistics Canada.

Canadian Oil Companies:

Branded Service Stations

Company	Total branded retail outlets	Number of provinces where marketed	Supplied directly	Supplied through jobbers & commission agents	Lessee/dealer operated	Salary operated	Commission operated	Full-serve only	Self-serve only	Full-serve/ Self-serve
C. Corp. Inc.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C. Corp. (Ontario) Inc.	68	1	68	—	3	—	65	33	24	2
Canadian Tire Petroleum Div.	202	7	202	0	18	184	—	14	186	2
Canadian Turbo Inc.	328	6	254	28	59	10	213	279	3	0
Chevron Canada Ltd.	250	1	225	25	125	—	100	77	129	44
Esso Petroleum Canada	3,980	9	—	—	602	86	918	2660	1162	158
Fas Gas Oil Ltd.	150	3	150	—	—	—	150	—	—	—
Federated Cooperatives Ltd.	658	5	658	—	—	634	24	440	218	—
Husky Oil Marketing Co.	334	6	245	21	245	—	—	177	89	—
Les Petroles Calex Ltee	45	2	—	—	—	—	45	—	15	30
Mohawk Oil Co. Ltd.*	266	6	268	—	119	41	106	142	44	80
Petro-Canada Products	2,950	11	—	—	—	—	—	2,086	895	166
Shell Canada Ltd.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sunoco Inc.	711	6	711	—	297	78	336	523	174	14
Sunys Petroleum Inc.	206	2	206	0	68	0	138	196	10	—
Ultramar Canada Inc. (a)	1,447	6	—	—	1,447	—	—	1,155	213	22

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* Does not include subsidiaries.

(a) Does not include the McCall-Frontenac Inc. acquistion in the Maritime Provinces.

Branded Retail Outlets in Canada

Company	Total branded retail outlets	Number of Provinces	Newfoundland	Nova Scotia	New Brunswick	Quebec	Ontario	Prince Edward Island	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Yukon
C. Corp. Inc.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C. Corp. (Ontario) Inc.	68	1	0	0	0	0	68	0	0	0	0	0	0	0
Canadian Tire Petroleum Div.	202	7	0	0	5	42	127	0	6	4	14	4	0	0
Canadian Turbo Inc.	328	6	0	0	0	0	1	0	22	68	185	51	1	0
Chevron Canada Ltd.	250	1	0	0	0	0	0	0	0	0	0	250	0	0
Esso Petroleum Canada	3,980	9	184	143	151*	853	1,136	0	281	347	457	428	0	0
Fas Gas Oil Ltd.	150	3	0	0	0	0	0	0	0	35	103	12	0	0
Federated Coop. Ltd. /Coop	376	4	0	0	0	0	0	0	68	225	52	31	0	0
Federated Coop. Ltd./Tempo	282	5	0	0	0	0	23	0	78	103	29	49	0	0
Husky Oil Marketing Co.	334	6	0	0	0	0	49	0	22	35	133	91	0	4
Les Petroles Calex Ltee	45	2	0	0	0	40	5	0	0	0	0	0	0	0
Mohawk Oil Co. Ltd.	266	6	0	0	0	0	3	0	27	32	102	99	0	3
Petro-Canada Products	2,950	11	33	97	89	680	1,137	17	133	117	286	353	—	8
Shell Canada Ltd.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sunoco Inc.	711	6	0	0	1	224	472	0	2	0	5	7	0	0
Sunys Petroleum Inc.	206	2	0	0	0	31	175	0	0	0	0	0	0	0
Ultramar Canada Inc.	1447	6	237	146	95	827	120	22	0	0	0	0	0	0

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*Total includes PEI

Source: NPN Questionnaires.

How Distribution is Organized

Branded Jobers/Commission Agents				Bulk Plants				Terminals			
Selling...				Company Operated							
Total	Gasoline only	Fuel Oil only	Gasoline and Fuel Oil	Total	Commission operated	Jobber operated	Salary operated	Total	Salary operated	Commission operated	Jobber operated
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
65	56	—	—	0	—	—	—	0	—	—	—
0	—	—	—	0	—	—	—	0	—	—	—
48	0	0	48	40	37	2	1	1	1	0	0
136	133	—	3	37	37	0	0	2	2	0	0
452	—	—	452*	544	476	48	20	53	—	—	—
150	—	—	—	—	—	—	—	—	—	—	—
3	—	—	3	195	3	—	192	—	—	—	—
21	—	—	21	0	—	—	—	0	—	—	—
—	—	—	—	—	—	—	—	1	—	—	—
N/A	—	—	—	N/A	—	—	—	N/A	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
336	336	0	0	3	0	0	—	5	5	0	0
138	74	0	64	—	—	—	—	—	—	—	—
62	0	0	62	101	—	—	—	26	14	12	0

Brand Names of Gasoline and Motor Oils

Gasoline	Motor Oil
C Corp Inc.	
Shell	Top Value
Sunoco	Winks Express
Petro Canada	
Esso	
Ultramar	
Texaco	
Canadian Tire Petroleum	
Motomaster	Nugolo
Performance	Supreme
	Formula 2000
Canadian Turbo, Inc.	
Turbo (ur,up,usp)	Flo-Rite
	Turbo
	Red Ram
	Green-Flo
Chevron Canada Ltd.	
Chevron (ur,up,usp)	Chevron Special
	Chevron Supreme
	Chevron Delo
	Chevron Re-refined
Esso Petroleum Canada	
Esso (ur,usp,d,extra)	Protec Extra
	Protec Ultra

Gasoline	Motor Oil
Fas Gas Oil Ltd.	
(ur,up)	Hi-Performance
Federated Cooperatives Lrd.	
Sonic (ur,up,usp)	Sonic Silver
Tempo (ur,usp,p)	Sonic Gold
	Sonic Green
	Coop D-M0
	Coop HD-7
Husky Oil Marketing Co.	
Husky (r,ur,up)	Husky Stratolube
	Husky Strato Plus
Mohawk Oil Co. Ltd.	
Mohawk (r,ur,up)	Canadian Pride
	Mohawk Oil
	Spartan
Petro-Canada Products, Inc.	
(r,ur,up,us,o)	Diesel Tonic
	XHD
	Maximum
	Super Plus
	Maximum Plus
	Maximum Supreme

Gasoline	Motor Oil
Shell Canada	
Shell (r,ur,up)	Shell X100
Beaver (r,ur,up)	Shell TLO
	Shell Extrema
	Rotella
Sunoco, Inc.	
Sunoco	Ultra
(r,plus,supreme, ultra)	
Suny's Petroleum Inc.	
Suny's	(ur,usp,p,d)
Ultramar Canada Inc.	
Ultramar	Super Ultralube
Sterling	
XL	
Gillies Guy	
Champion	

KEY

Gasoline:

(r)	Regular
(p)	Premium
(ur)	Unleaded
(up)	Unleaded Premium
(d)	Diesel

Motor Oils:

Brand names are listed lowest-price grade first.

International/Canada

Canadian Gasoline Shares by Key Categories:

	Service Stations					Pumpers				
	1991	1990	1989	1988	1987	1991	1990	1989	1988	1987
Eastern Region										
• % of Outlets	41.5	42.4	46.4	47.4	51.4	27.6	27.8	26.6	26.3	25.7
• % of Volume	38.2	39.0	43.3	44.0	47.0	44.0	43.7	40.9	40.6	39.7
• Avg. Monthly Vol. (Liters)	132,944	133,524	133,022	133,918	126,765	230,708	230,217	219,561	222,573	214,334
• Avg. Monthly Vol. (U.S. gal.)	35,124	35,277	35,191	35,428	33,536	60,953	60,824	58,008	58,882	56,702
Central Region										
• % of Outlets	47.8	47.7	49.1	50.6	53.5	36.0	36.0	36.2	34.6	31.1
• % of Volume	42.6	42.8	44.2	46.6	49.2	49.9	49.7	48.6	46.8	43.6
• Avg. Monthly Vol. (Liters)	191,936	191,730	193,283	196,345	189,228	299,504	295,397	296,297	292,760	289,135
• Avg. Monthly Vol. (U.S. gal.)	50,710	50,655	51,133	52,472	50,060	79,129	78,044	78,386	77,460	76,491
Western Region										
• % of Outlets	33.8	34.1	36.8	37.1	40.8	44.7	45.7	44.0	44.3	40.6
• % of Volume	30.9	30.8	35.6	35.7	38.4	58.6	59.6	56.0	56.2	53.7
• Avg. Monthly Vol. (Liters)	170,771	172,679	185,786	186,768	209,373	244,734	249,826	244,160	246,957	267,955
• Avg. Monthly Vol. (U.S. gal.)	45,118	45,622	49,150	49,410	55,390	64,659	66,004	64,593	65,333	70,888
Total Canada										
• % of Outlets	41.7	42.0	44.8	45.8	49.3	35.5	35.9	34.7	34.3	31.7
• % of Volume	37.9	38.2	41.5	42.7	45.2	50.8	51.1	48.7	47.9	45.6
• Avg. Monthly Vol. (Liters)	166,451	167,338	170,012	172,837	170,380	261,079	261,802	257,658	258,044	260,000
• Avg. Monthly Vol. (U.S. gal.)	43,976	44,211	44,977	45,724	45,074	68,977	69,168	68,163	68,266	68,807

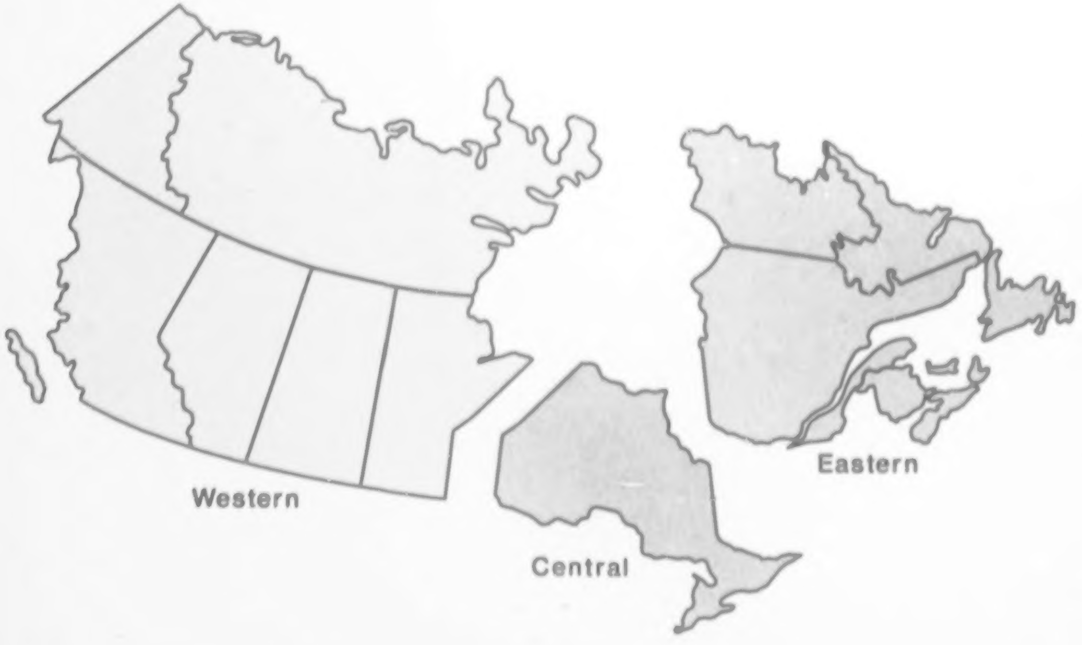
Source: MPSI Inc., Tulsa, Okla.

A study of Canadian retail gasoline market shares was initiated in 1985 by MPSI Inc., Tulsa, Okla., a firm specializing in computer software and information services in addition to market research and planning.

This year, for the first time, gasoline market share data is shown for a five-year period—1987 through 1991—to provide an overview of trends within the key categories of gasoline retailing in Canada.

The study presents market shares and percentages of outlets both nationally and regionally for conventional service stations, gasoline pumpers, convenience stores selling gasoline, plus a general category of "others," including car washes, garages and other facilities.

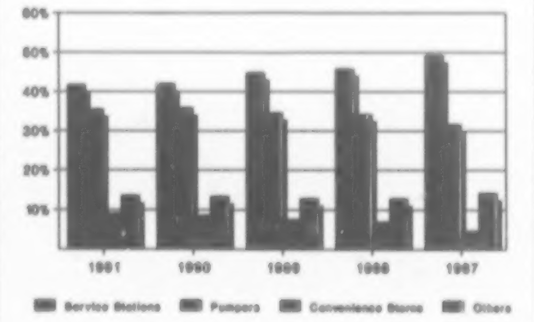
This study is concentrated in Canada's metropolitan areas, where most gasoline is marketed. It does not count rural and highway vendors, which while important to the industry, do not add substantially to the overall consumption data.



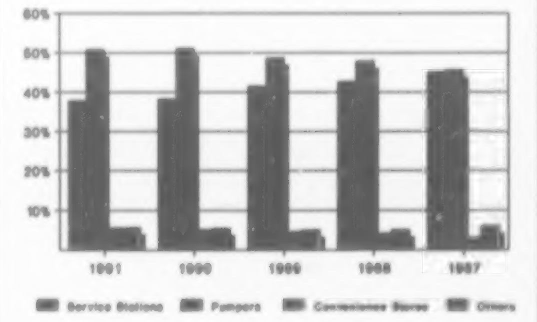
A Five-Year Overview

Convenience Food Stores					Others					Total				
1991	1990	1989	1988	1987	1991	1990	1989	1988	1987	1991	1990	1989	1988	1987
13.0	12.0	10.9	10.6	7.3	17.9	18.0	16.1	15.8	15.6	100.0	100.0	100.0	100.0	100.0
8.9	8.5	8.2	7.9	6.0	8.9	8.8	7.6	7.5	7.3	100.0	100.0	100.0	100.0	100.0
98,951	101,754	107,704	107,498	113,205	72,459	71,372	66,776	67,983	64,248	144,678	145,203	142,574	144,013	138,500
26,143	26,684	28,493	28,439	29,948	19,144	18,857	17,666	17,985	16,997	38,224	38,363	37,718	38,097	36,640
5.2	4.7	4.0	3.0	1.8	11.0	11.6	11.7	11.9	13.6	100.0	100.0	100.0	100.0	100.0
3.3	3.1	2.7	2.0	1.3	4.2	4.4	4.5	4.6	5.9	100.0	100.0	100.0	100.0	100.0
138,384	139,834	144,233	142,705	141,957	81,286	80,992	83,034	82,452	89,500	215,686	213,662	214,719	215,350	205,846
36,561	36,944	38,157	37,753	26,455	21,476	21,380	21,967	21,813	23,677	56,984	56,450	56,804	56,971	54,457
10.1	9.9	8.8	8.0	5.6	11.4	10.3	10.4	10.6	13.0	100.0	100.0	100.0	100.0	100.0
5.6	5.4	4.8	4.5	3.0	4.9	4.2	3.6	3.6	5.2	100.0	100.0	100.0	100.0	100.0
104,596	104,978	103,939	108,643	109,752	79,189	77,322	67,429	67,027	79,114	186,617	191,378	191,957	194,454	210,619
27,634	27,735	27,498	28,741	29,035	20,922	20,428	17,838	17,732	20,430	49,304	50,562	50,782	51,442	55,719
9.3	8.7	7.7	7.0	4.8	13.5	13.4	12.8	12.9	14.2	100.0	100.0	100.0	100.0	100.0
5.6	5.2	4.7	4.3	3.1	5.7	5.5	5.1	5.1	6.1	100.0	100.0	100.0	100.0	100.0
108,633	110,543	113,597	113,672	116,825	76,710	75,804	72,509	72,869	77,248	182,556	184,012	183,516	185,073	182,985
28,701	29,205	30,052	30,072	30,906	20,267	20,027	19,182	19,278	20,436	48,231	48,616	48,549	48,961	48,409

Percent of Outlets

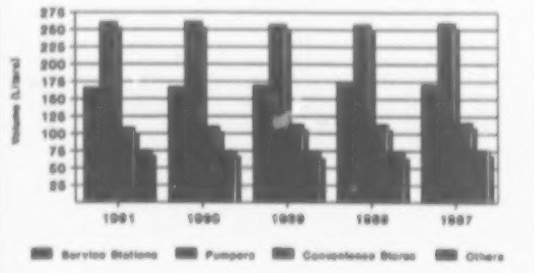


Percent of Volume



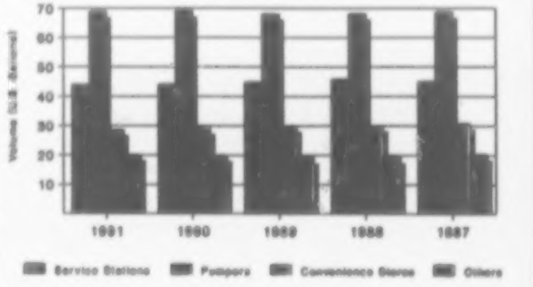
Average Monthly Volume Liters

(Add 000)



Average Monthly Volume U.S. Gallons

(Add 000)



Motor Vehicle Registrations, 1990

Province	Passenger Cars	Trucks	Buses	Motorcycles	Others	Total Vehicles	Trailers	Off-road Snow-mobiles	Off-road Other	Licensed Gasoline Outlets
Newfoundland	200,374	88,749	1,645	8,799	6,284	305,851	31,628	74,700	17,582	—
Prince Edward Island	59,970	22,630	543	1,512	58	84,716	2,179	419	337	—
Nova Scotia	418,135	168,366	1,985	14,603	526	603,615	41,986	10,238	6,655	—
New Brunswick	312,948	145,915	—	9,811	6,997	475,671	60,166	—	22,317	1,175
Quebec	2,917,255	513,795	15,882	63,255	70,578	3,580,765	749,211	113,758	278,774	—
Ontario	4,756,855	1.089,127	29,502	120,411	4,427	6,000,322	1,143,883	328,343	80,274	—
Manitoba	543,095	224,113	160	11,680	21	779,069	109,261	35,798	217	—
Saskatchewan	448,518	271,797	4,320	4,390	6,939	735,964	97,944	5,095	—	—
Alberta	1,187,948	626,277	9,681	37,008	748	1,861,662	425,231	13,875	19,841	—
British Columbia	1,753,372	687,918	—	58,195	—	2,499,485	291,226	53,386	—	—
Yukon	12,770	17,201	190	791	—	30,952	2,530	654	—	—
Northwest Territories	10,798	11,497	51	620	92	23,058	2,611	—	3,313	—
Total	**12,822,038**	**3,867,385**	**63,962**	**331,075**	**96,670**	**16,981,130**	**2,957,856**	**636,266**	**429,310**	**1,175**

"Off-road other" includes farm tractors, construction equipment, etc.
— = Figures not available.

New Motor Vehicle Sales

Year	Total New Motor Vehicles	Passenger Cars	Comm. Vehicles	North America	Japan	Other Countries(a)	North America	Other Countries(a)
1991	1,287,790	873,184	414,606	573,297	237,701	62,186	347,671	66,935
1990	1,317,852	884,564	433,288	580,397	239,603	64,564	361,403	71,902
1989	1,483,875	988,134	495,741	675,640	239,548	73,246	422,398	73,343

(a) Excludes Japanese and North American manufactured vehicles.

Drivers Licenses, 1991

Province	Operators (Drivers and Chauffeurs)	Temporary (Instructor Permits)
Newfoundland	320,150	9,517
Prince Edward Island	88,565	—
Nova Scotia	567,097	11,852
New Brunswick	460,050	23,165
Quebec	4,032,971	—
Ontario	6,448,883	301,569
Manitoba	638,444	—
Saskatchewan	638,600	—
Alberta	1,906,868	107,718
British Columbia	2,569,701	—
Yukon	33,156	—
Northwest Territories	13,465	1,311
Total	**17,717,950**	**455,129**

Principal Heating Fuels in 1991

(000 households)

Province	Oil	Piped Gas	Bottled Gas	Electri-city	Other	Wood	Total Hshlds
Newfoundland	59	—	—	76	—	41	177
PE Island	37	—	—	—	—	8	847
Nova Scotia	191	—	5	83	...	41	326
New Brunswick	73	—	—	137	—	41	251
Quebec	537	207	—	1,748	...	119	2,618
Ontario	564	2,096	18	803	9	95	3,585
Manitoba	18	225	—	129	—	14	389
Saskatchewan	29	295	...	16	—	10	359
Alberta	14	830	20	23	...	7	898
British Columbia	143	709	...	294	—	63	1,225
Total	**1,655**	**4,[illegible]2**	**67**	**3,309**	**31**	**439**	**9,873**

Data from a sample survey only.
... = Amount too small. — = Figures not available.
"Other" includes coal and coke.

Automobiles Per Household, 1991

(Estimates in thousands)

Province	Households	Total Households With Vehicles	Households with Automobiles: Total	1 Auto	2 Autos	3 or More Autos	Without Autos	Vans or Trucks: With 1	2 or More
Newfoundland	177	143	116	92	20	4	61	55	6
Prince Edward Island	47	40	38	27	8	—	9	13	—
Nova Scotia	326	271	251	185	58	8	75	75	9
New Brunswick	251	218	200	149	44	7	50	68	9
Quebec	2,618	2,053	1,959	1.399	479	81	658	313	21
Ontario	3,585	2,930	2,792	1,809	796	187	793	583	69
Manitoba	389	324	303	203	81	20	86	89	16
Saskatchewan	359	314	285	202	66	17	73	116	31
Alberta	898	802	734	475	204	55	163	258	86
British Columbia	1,255	1,065	983	646	269	68	241	324	51
Total	**9,873**	**8,160**	**7,662**	**5,187**	**2,026**	**449**	**2,211**	**1,894**	**300**

— = Figures not available.
Source: (all tables on this page) Statistics Canada.

Gap Narrows Slightly Between Canadian/U.S. Gasoline Prices

Canadian motorists could take some comfort in the fact that their average retail pump prices were lower by more than 10% in March of this year than prices were a year earlier. However, the disparity between Canadian and U.S. gasoline prices continues to be quite substantial.

According to the April 1992 *Petroleum Product Market Report* published by Energy, Mines and Resources Canada (EMR), Canadian motorists paid $1.60/gal. (U.S. dollars) in March 1992, or 52¢/gal. more than their U.S. counterparts. However, EMR points out that the differential between average Canadian and U.S. prices in March was the lowest since June 1989.

Approximately 90% of the diffential between the two countries' retail prices was accounted for by higher federal and provincial taxes in Canada. That tax differential amounted to about 46¢ gal.

The figures represent major city averages for all grades and types of service in March in both countries. Canadian prices are figured on the basis of the metric system liter (1 gal. = 3.785 liters), but for purposes of this analysis are expressed in U.S. dollars per gallon.

Canada vs. U.S. — Motor Gasoline

Average Retail Prices. All Grades – March 1992.
U.S. cents/gal.
Canadian cents/liter shown in parenthesis.

Exchange rate — March 1992 = 1.1926

LPG Sales by State and Use, 1990

(000 gal.)

	Residential and Commercial	Chemical	Industrial (1)	Engine Fuel	Utility Gas	Farm	Other (2)	Total (3)
Alabama	132,816	0	10,814	8,574	0	21,911	823	174,966
Alaska	14,820	0	0	502	0	0	0	16,113
Arizona	38,143	0	14,655	4,906	0	4,784	841	63,329
Arkansas	91,446	0	5,297	7,404	0	39,074	2,445	145,837
California	284,187	0	334,300	82,337	0	40,558	16,186	852,783
Colorado	83,834	0	18,676	6,658	0	5,511	1,213	127,435
Connecticut	42,335	0	5,497	3,216	0	2,448	0	66,902
Delaware	28,313	0	5,173	511	0	6,142	0	44,101
Florida	246,509	0	21,928	18,969	18,399	13,843	5,760	325,424
Georgia	167,985	0	25,189	9,364	0	47,597	1,842	253,314
Hawaii	0	0	0	0	0	0	0	7,482
Idaho	15,737	0	2,177	4,271	0	2,347	1,077	25,609
Illinois	158,561	9,972	26,927	29,221	0	71,783	5,161	326,549
Indiana	172,653	0	12,245	13,608	0	78,271	5,288	398,903
Iowa	135,511	0	14,440	3,762	0	106,505	3,752	267,641
Kansas	58,419	59,278	51,100	12,656	0	32,016	56,864	388,575
Kentucky	90,201	0	121,646	5,779	0	12,538	0	255,167
Louisiana	38,268	921,665	29,817	6,154	0	9,762	30,447	1,053,322
Maine	42,649	w	11,708	1,528	1,199	243	100	58,413
Maryland & DC	53,830	0	12,926	4,648	0	8,942	2,213	82,676
Massachusetts	67,115	0	8,820	5,277	27,325	833	1,166	110,542
Michigan	323,039	0	62,506	25,247	6,418	36,803	86,481	626,729
Minnesota	144,908	0	29,055	5,054	0	71,041	248	250,640
Mississippi	106,640	0	20,049	11,721	0	14,377	589	299,352
Missouri	207,201	371	34,365	10,449	0	24,629	1,419	288,303
Montana	40,175	0	19,223	5,942	0	3,789	3,961	73,090
Nebraska	48,323	0	11,189	5,448	0	57,091	48	122,313
Nevada	40,379	0	4,383	2,005	0	1,511	0	60,092
New Hampshire	71,612	0	9,529	1,318	1,351	241	5,066	89,117
New Jersey	44,427	0	20,713	6,652	0	583	799	181,930
New Mexico	84,260	0	7,026	10,486	0	4,355	364	234,542
New York	201,571	0	12,292	13,398	0	5,167	1,952	235,510
North Carolina	211,346	0	44,756	14,259	1,269	93,456	7,982	373,828
North Dakota	32,250	0	3,576	1,242	0	16,997	5,430	59,722
Ohio	207,790	0	42,407	31,883	0	58,823	6,508	462,922
Oklahoma	62,940	453	56,081	8,626	0	16,109	818	146,980
Oregon	18,767	0	15,454	16,295	0	6,748	875	58,139
Pennsylvania	125,135	0	43,205	13,986	0	18,584	2,177	265,339
Rhode Island	13,679	0	5,219	1,708	0	43	0	21,042
South Carolina	83,104	0	15,456	7,727	0	15,445	356	122,989
South Dakota	85,531	0	1,120	2,030	0	65,521	814	155,022
Tennessee	84,815	0	21,602	11,229	0	3,354	413	122,088
Texas	302,987	5,161,021	81,478	42,686	0	41,952	74,456	5,742,677
Utah	20,970	0	3,431	4,518	0	1,068	0	44,965
Vermont	54,819	0	2,108	952	0	339	0	58,854
Virginia	104,950	0	29,042	5,654	0	28,128	3,326	171,730
Washington	32,461	0	24,462	25,960	0	5,766	2,010	97,186
West Virginia	20,571	0	4,423	1,682	0	2,798	0	67,802
Wisconsin	206,910	0	24,398	10,531	0	33,981	3,596	279,914
Wyoming	24,060	0	16,143	2,394	0	1,830	0	53,329
Total	**4,975,329**	**7,024,799**	**1,520,188**	**532,099**	**123,039**	**1,135,974**	**499,801**	**15,811,229**

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*Propane only; butane withheld.

w - Data withheld to avoid disclosing reports for individual companies. These reports included in totals.

(1) Includes refinery fuel.

(2) Includes secondary recovery of petroleum and synthetic natural gas feedstock.

(3) API data on LP-gas refinery inputs is used in determining LP-gas production/sales in preference to the volume reported by EIA.

Source: National Petroleum Gas Assn.

LPG Sales Trends in Recent Years (a)

(000,000 gal.)

Major Domestic Markets

	Total U.S. Sales		Residential - Commercial		Chemical		Internal Combustion		Industrial		Farm	
Year	**Vol.**	**% Change**	**Vol**	**% Change**	**Vol.**	**% Change**	**Vol.**	**% Change**	**Vol.**	**% Change**	**Vol.**	**% Change**
1990	15,811	(13.0%)	4,975	(26.5%)	7,025	18.0%	532	(22.9%)	1,520	(33.4%)	1,136	(27.0%)
1989	18,176	8.1	6,772	9.2	5,951	(1.8)	690	(3.5)	2,282	26.6	1,556	8.0
1988	16,807	4.0	6,149	8.4	6,057	(4.0)	715	(0.4)	1,803	39.4	1,431	(1.2)
1987	16,157	12.8	5,671	0.1	6,307	47.8	718	(13.5)	1,293	(3.6)	1,459	(10.7)
1986	14,325	(3.0)	5,607	(3.2)	4,267	(0.9)	821	(12.8)	1,341	3.2	1,634	(4.2)
1985	15,080	(0.3)	5,794	11.4	4,307	4.8	942	1.0	1,299	(31.2)	1,706	2.6
1984	15,129	10.5	5,203	(14.6)	4,109	26.7	951	(30.2)	1,888	54.7	1,663	40.7
1983	13,688	(1.6)	6,090	(1.5)	3,244	(3.5)	1,362	9.8	1,220	(6.9)	1,183	(8.0)
1982	13,915	(3.3)	6,180	(2.1)	3,362	(3.2)	1,240	9.7	1,310	(5.0)	1,285	(12.1)
1981	14,395	(3.8)	6,310	(3.4)	3,474	(3.1)	1,130	3.6	1,380	(10.9)	1,463	(4.4)
1980	14,969	(8.9)	6,531	(4.9)	3,584	(11.3)	1,090	4.3	1,548	(20.2)	1,529	(15.4)
1979	16,432	9.4	6,871	1.2	4,043	12.7	1,045	5.5	1,940	44.8	1,764	D

This is as far back as the restated API/LPGA data go on sales trends. The figures below are Energy Information Administration data and are not essentially comparable to the restated data above. In the data below, the last column was for "all other uses" instead of farm consumption.

	Total U.S. Sales		Residential - Commercial		Chemical		Internal Combustion		Industrial		Farm	
Year	**Vol.**	**% Change**	**Vol**	**% Change**	**Vol.**	**% Change**	**Vol.**	**% Change**	**Vol.**	**% Change**	**Vol.**	**% Change**
1977	15,508	(3.2)	7,169	(2.0)	3,578	(12.4)	1,145	(2.1)	1,044	D	2,573	7.5
1975	15,200	(6.8)	7,020	(2.9)	4,172	(23.0)	1,162	(11.3)	1,082	1.2	1,763	38.3
1970	15,271	26.6	7,569	41.6	5,003	24.8	1,336	11.9	897	32.1	467	125.6
1965	11,434	33.7	5,346	26.5	4,008	54.6	1,194	33.0	679	13.9	207	(23.0)
1960	8,579	40.1	4,225	50.8	2,593	36.5	898	37.7	596	13.7	269	9.3

(a) In 1984, the Energy Information Administration suddenly terminated collection of LPG sales data for budgetary reasons. The American Petroleum Institute, the Liquefied Petroleum Gas Assn. and others began a cooperative effort to provide the missing data annually. The 1983 and 1984 data were published in March 1986. The new information is based on EIA data, plus API and LPGA, and are restated for the years 1979–1984. Utility gas, refinery fuel and miscellaneous uses are included in U.S. totals, but are not stated separately.

Source: National Propane Gas Assn.

LPG Sales Nosedive In 1990—Losses Led by Industrial and Residential-Commercial

After several years of solid gains, the market for liquefied petroleum gas (LPG) went flat in 1990. Declines were reported in four of the the five major categories of LPG sales, according to the National Propane Gas Assn.

Industrial market sales volumes for the year were particularly hard hit, with sale declining by a third—this after extraordinary increases in the two previous years: 1988 (up 39%) and 1989 (up 27%).

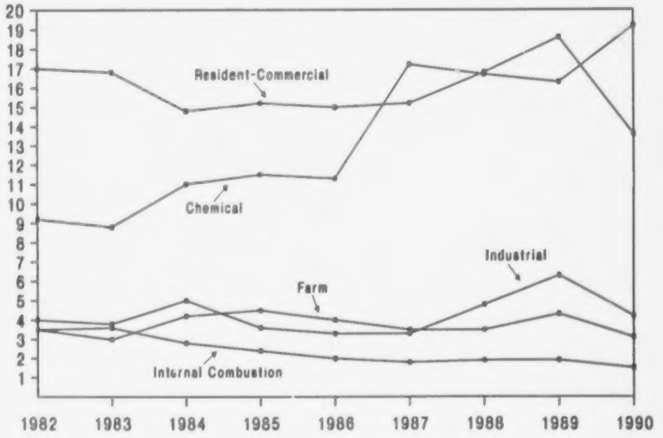
Internal combustion applications for LPG, while viewed as a potentially important alternate fuel source, did not fare too well either, decreasing almost 25% for the year.

Residential-commercial sales, which have been healthy the past couple of years, had a substantial decline in sales in 1990, dropping almost 27% for the year. Farm sales, too, were soft compared to the previous year. The only gainer in the 1989-'90 period was sales to the chemical market.

In the table above, LPG used in refineries is included in industrial consumption. Other secondary uses are lumped together in the U.S. total.

Principle Uses of LPG by Sectors

(000,000 gal. per day)



LPG Sales by State, 1984 – 1990

(Add 000 gal.)

State	1990	1989	1988	1987	1986 (c)	1985	1984 (a,b)
Alabama	174,966	259,158	203,460	199,719	175,072	174,219	178,075
Alaska	16,113	11,615	11,930	11,799	13,300	14,889	w
Arizona	63,329	67,230	71,827	81,889	82,649	76,034	66,727
Arkansas	145,837	196,961	163,669	151,705	167,503	176,381	168,904
California	852,783	993,177	837,107	760,059	226,324	776,882	739,859
Colorado	127,435	119,977	109,700	93,217	89,478	105,256	103,705
Connecticut	66,902	68,467	64,580	31,194	46,383	51,680	51,282
Delaware	44,101	42,197	43,199	36,717	33,084	41,825	49,652
Florida	325,424	351,277	344,946	351,349	431,608	399,436	347,271
Georgia	253,314	327,485	292,240	259,010	274,184	291,335	263,364
Hawaii	7,482	7,784	7,999	7,427	6,712	6,296	w
Idaho	25,609	33,932	30,689	25,367	30,718	36,230	31,815
Illinois	326,549	471,355	626,610	724,026	764,188	788,693	794,996
Indiana	398,903	455,331	403,965	390,877	329,913	328,805	357,416
Iowa	267,641	430,481	424,779	375,396	588,186	591,080	528,416
Kansas	388,575	460,982	440,305	321,476	212,224	611,981	756,234
Kentucky	255,167	338,631	330,012	333,929	270,554	284,430	260,962
Louisiana	1,053,322	888,729	958,783	848,555	896,539	952,434	982,522
Maine	58,413	68,463	68,253	51,248	42,465	26,533	22,935
Maryland & D.C	82,676	93,973	72,979	69,569	59,584	75,501	96,840
Massachusetts	110,542	111,387	100,964	103,691	94,715	72,752	65,990
Michigan	626,729	875,392	832,585	817,843	801,192	720,361	484,763
Minnesota	250,640	347,039	343,762	316,810	397,852	356,330	333,725
Mississippi	299,352	243,588	170,510	153,275	147,132	208,514	218,242
Missouri	288,303	472,996	410,148	362,524	384,048	372,837	340,805
Montana	73,090	65,070	52,903	50,973	63,384	61,597	49,258
Nebraska	122,313	215,249	225,479	199,576	163,284	176,763	149,236
Nevada	60,092	73,703	46,954	39,855	45,898	47,390	36,366
New Hampshire	89,117	109,589	90,831	82,561	71,272	64,713	50,017
New Jersey	181,930	223,407	263,048	252,581	207,911	232,104	264,907
New Mexico	234,542	113,994	67,582	67,733	71,050	140,102	153,130
New York	235,510	245,893	226,611	221,553	208,275	207,808	208,193
North Carolina	373,828	414,145	341,971	358,596	314,373	323,996	299,367
North Dakota	59,722	103,522	92,014	88,589	89,402	26,811	31,464
Ohio	462,922	678,776	581,431	534,490	520,397	603,114	504,464
Oklahoma	146,980	203,428	242,701	241,441	280,609	400,132	272,150
Oregon	58,139	67,427	66,488	64,205	71,896	67,666	60,694
Pennsylvania	265,339	295,593	243,484	205,314	186,764	228,144	239,876
Rhode Island	21,042	21,631	23,842	26,112	24,500	20,888	12,962
South Carolina	122,989	162,126	152,734	145,110	122,967	134,045	108,489
South Dakota	155,022	217,858	101,005	139,392	104,189	86,254	69,586
Tennessee	122,088	198,950	187,459	146,307	166,793	149,979	137,847
Texas	5,742,677	6,043,836	5,550,190	5,556,446	3,730,949	3,749,674	4,066,334
Utah	44,965	54,404	51,303	51,043	48,993	60,931	62,630
Vermont	58,854	66,693	50,353	44,281	37,026	33,848	28,321
Virginia	171,730	198,186	185,097	165,871	141,903	162,529	157,263
Washington	97,186	136,428	100,360	106,532	94,972	88,627	92,533
West Virginia	67,802	52,810	44,375	38,622	38,200	35,663	15,031
Wisconsin	279,914	409,646	374,336	321,334	346,983	361,689	364,777
Wyoming	53,329	65,888	80,038	99,922	67,828	76,241	75,340
Total	**15,811,229**	**18,175,604**	**16,807,500**	**16,157,120**	**14,325,445**	**15,079,822**	**14,789,925**

W - Data withheld to avoid disclosing reports to individual companies. These reports included in totals.

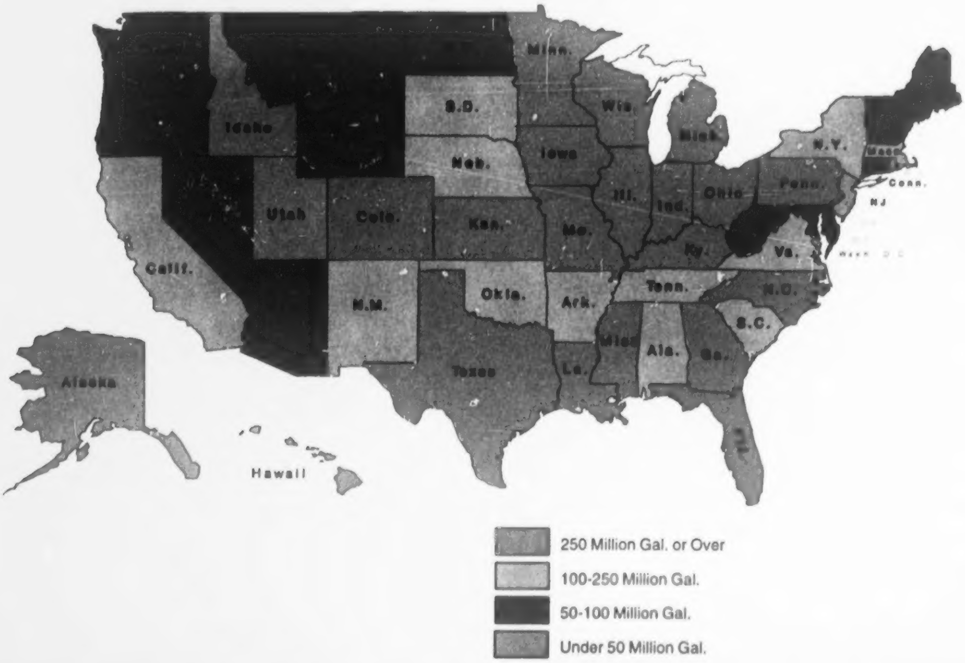
(a) Includes chemical feedstock use - 1984 and succeeding years.

(b) API data on LP-gas refinery inputs is used in determining LP-gas production/sales in preference to the volume reported by EIA - 1984 and succeeding years.

(c) Significant changes from 1985 and earlier LP-gas sales in some states are based on additional information furnished to API by several natural gas liquids pipeline companies.

Souce: National Propane Gas Assn.

Where LP Gas Was Used in 1990


Minn.
S.D.
Idaho
Wis.
Mich.
N.Y.
Mass.
Conn.
Neb.
Iowa
Utah
Colo.
Kan.
Ill.
Ind.
Ohio
Penn.
NJ
Mo.
Ky.
Va.
Wash. D.C.
Calif.
N.M.
Okla.
Ark.
Tenn.
N.C.
S.C.
Miss.
Ala.
Ga.
La.
Texas
Fla.
Alaska
Hawaii
250 Million Gal. or Over
100-250 Million Gal.
50-100 Million Gal.
Under 50 Million Gal.

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Lube Sales Down in 1991

The National Petroleum Refiners Assn.'s annual lubricants survey indicates that sales dropped substantially in 1991, almost 10% compared to the previous year. It was by far the biggest slippage in sales in the past decade.

The NPRA report does not give volumes, only indexes and percentages that are based on the reports of participating companies. To preserve the confidentially aspects of company sales, the reports are given to an independent auditor who converts them into indexes on an industry wide basis.

In this latest report, the base for quarterly indexes has been updated from the former base year of 1980 to 1989. Average quarterly indexes for that year now equal 100%.

The product categories, as currently defined by the NPRA, are as follows: automotive oil—engine oils, automatic transmission fluids, gear and aviation oils; industrial oil—industrial engine oils, metalworking fluids, process and general industrial oils; grease—automotive and industrial greases.

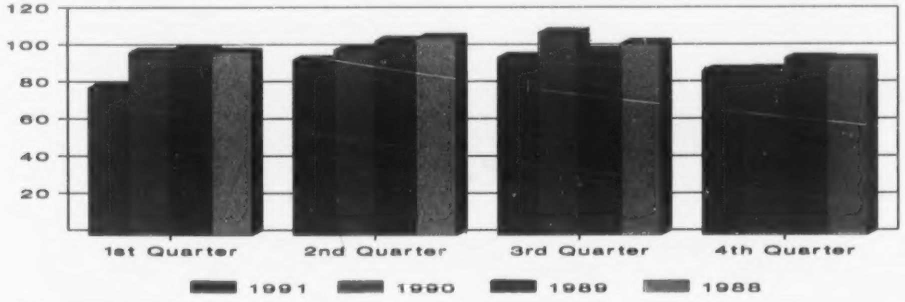
Quarterly Indexes on Lubricant Sales

(1989 Avg. Qtr. = 100%)

Year	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	Full Year
1991	79.4	94.3	95.6	88.4	89.4
1990	98.4	99.7	109.0	88.8	99.0
1989	99.8	104.5	98.8	94.9	99.5
1988	98.2	105.9	103.0	94.2	100.3
1987	96.9	103.9	104.0	97.0	100.5
1986	100.4	107.2	104.4	93.7	101.4

Total Lubricant Sales

(Index: 1989 = 100)



Percentage Changes by Product and Quarter (a)

Year/Product	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	Full Year
1991 vs. 1990					
Automotive	(20.5)%	(0.9)%	(12.2)%	5.2%	(7.1)%
Industrial	(18.1)	(11.9)	(12.8)	(8.0)	(12.7)
Grease	(11.4)	(2.3)	(3.1)	0.2	(4.2)
Total	**(19.4)**	**(5.4)**	**(12.3)**	**(0.5)**	**(9.4)**
1990 vs. 1989					
Automotive	(3.4)%	(7.1)%	14.6%	(8.8)%	(1.2)%
Industrial	1.6	(1.0)	4.3	(3.3)	0.4
Grease	(4.6)	(3.5)	8.0	(2.6)	(0.7)
Total	**(1.4)**	**(4.7)**	**10.3**	**(6.4)**	**(0.6)**
1989 vs 1988					
Automotive	5.3%	1.8%	(0.9)%	2.7%	2.2%
Industrial	(3.0)	(5.1)	(7.7)	(1.0)	(4.2)
Grease	(4.6)	(11.3)	(18.0)	(13.3)	(11.8)
Total	**1.7**	**(1.3)**	**(4.2)**	**0.8**	**(0.8)**
1988 vs. 1987					
Automotive	(3.6)%	(1.9)%	(5.4)%	(3.5)%	(3.6)
Industrial	8.6	7.7	5.0	4.6	6.5
Grease	5.1	6.6	11.3	5.1	7.0
Total	**1.3**	**1.9**	**(0.9)**	**(0.1)**	**0.6**

(a) Revised.

Source: National Petroleum Refiners Assn. Quarterly Index of Lubricant Sales 1991, March 1992.

Lubricants—Supply, Disposition and Stocks

(000 bbl.)

Year	Refinery Production	Imports	Stock Changes	Exports	Products Supplied	Ending Stocks		
						Refinery	Bulk Terminal	Total
1991	57,026	2,618	(47)	6,516	53.175	8,200	4,126	12,326
1990	61,155	3,540	(1,453)	7,155	58,993	7,840	4,533	12,373
1989	59,738	4,005	528	6,815	56,400	9,183	4,643	13,826
1988	62,478	3,658	19	9,018	57,137	9,475	3,823	13,298
1987	61,639	4,076	1,475	8,613	58,577	9,410	3,907	13,317

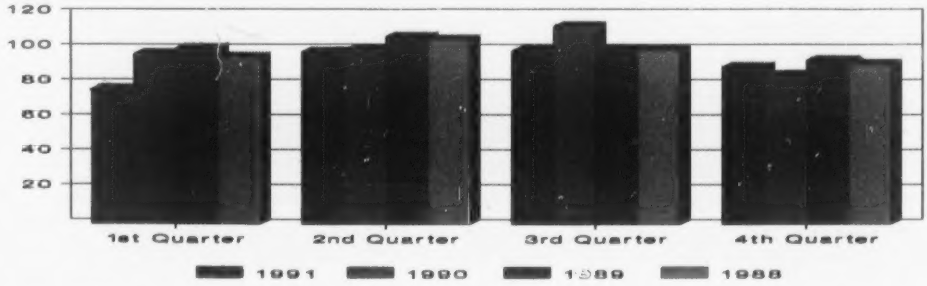
1991 Month-by-Month Variations in Supplies

Month	Refinery Production	Imports	Stock Changes	Exports	Products Supplied	Ending Stocks		
						Refinery	Bulk Terminal	Total
January	5,171	212	95	484	4,804	8,263	4,205	12,468
February	4,490	53	834	425	13,284	8,907	4,395	13,302
March	5,018	154	409	524	4,239	9,495	4,216	13,711
April	4,550	191	(303)	513	4,531	9,321	4,078	13,408
May	4,947	317	(218)	657	4,825	9,012	4,178	13,190
June	4,964	184	(21)	576	4,593	9,164	4,005	13,169
July	4,787	357	(544)	539	5,149	8,627	3,998	12,625
August	4,700	218	48	594	4,276	8,530	4,143	12,673
September	4,949	118	64	501	4,502	8,746	3,991	12,737
October	4,468	226	(515)	554	4,655	8,191	4,031	12,222
November	4,254	216	(169)	553	4,086	7,931	4,122	12,053
December	4,728	372	273	598	4,229	8,200	4,126	12,326
Grand Total	**57,026**	**2618**	**(47)**	**6,518**	**53,173**	**8,699**	**4,124**	**12,824**

Source: Energy Information Administration, Petroleum Supply Monthlies 1991, Tables 2, 3, 41 and 51.

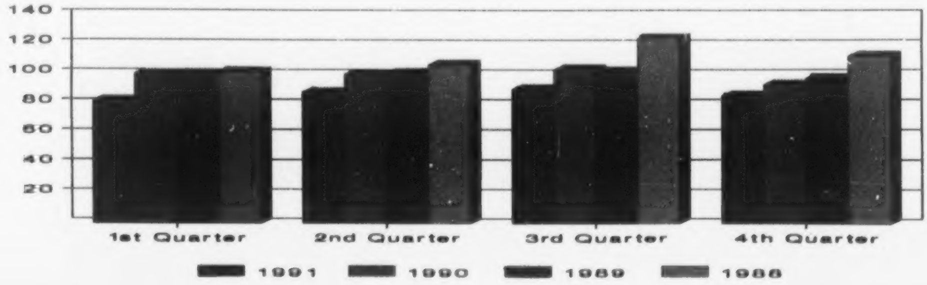
Total Automotive Lubricant Sales

(Index: 1989 = 100)



Total Industrial Lubricant Sales

(Index: 1989 = 100)



U.S. Lubricant Sales, 1985 – 1990

(000 gal.)

Total U.S. Lubricant Sales

Lubricant	1990	1989(a)	% Change 1989 vs. 1990	1988	1987	1986	1985
Automotive Oil	1,430	1,425	0.4%	1,404	1,431	1,379	1,363
Industrial Oil	1,042	972	7.2	1,011	997	921	921
Total Oils	**2,472**	**2,397**	3.1	**2,414**	**2,427**	**2,300**	**2,284**
Total Grease	**56**	**57**	(1.8)	**53**	**56**	**54**	**57**
Total Lubricants	**2,529**	**2,455**	(3.0)	**2,468**	**2,483**	**2,354**	**2,341**

Byproduct Sales

Byproduct	1990	1989(a)	% Change 1989 vs. 1990	1988	1987	1986	1985
Aromatic Oils:							
Rubber	68	71	(4.2)	75	72	67	71
Other	19	15	26.7	7	17	16	20
Total Aromatic	**88**	**86**	2.3	**81**	**89**	**83**	**92**
Total Wax	**238**	**264**	(9.8)	**252**	**244**	**224**	**92**

Automotive Oil Sales by Category

Automotive Oils	1990	1989(a)	% Change 1989 vs. 1990	1988	1987	1986	1985
SAE J-183a, Engine Oils:							
Monograded	315	333	(5.4)	345	363	364	382
Multigraded	825	802	2.7	766	773	734	700
Total	**1,140**	**1,136**	(0.4)	**1,111**	**1,136**	**1,097**	**1,082**
Non-SAE J-183a, Engine Oils:							
Aircraft	9	7	28.8	5	7	8	9
Gasoline-Fueled Two Stroke	15	13	15.4	15	16	15	15
Total	**24**	**20**	0.2	**20**	**23**	**23**	**24**
Transmission/Hydraulic Fuels:							
Automatic Transmission Fluids	144	148	(2.7)	149	150	143	144
Univ. Tractor, Hydr./Trans 59	62	59	5.1	60	58	55	49
Energy/Shock Ab., Power St. 11	8	2	(27.3)	10	10	10	
Other	2	2	—	3	2	2	3
Total	**216**	**220**	(1.8)	**223**	**220**	**210**	**206**
Gear Oils:							
GL-4 or less	10	9	11.1	5	5	5	6
GL-5	41	39	5.1	46	46	44	46
Total	**51**	**48**	6.3	**51**	**51**	**49**	**52**

Industrial Lubricant Sales

Industrial Lubricant	1990	1989(a)	% Change 1989 vs. 1990	1988	1987	1986	1985
General Industrial Oils:							
Hydraulic Oils	217	211	2.8	206	211	199	202
Fire-Resistant Fluids	23	14	64.3	14	15	13	12
Gear Oils	36	39	(7.7)	38	37	35	37
All Others	118	116	1.7	37	43	35	33
Total	**394**	**380**	3.7	**374**	**389**	**357**	**367**
Industrial Engine Oils:							
Railroad Diesel	37	41	(9.6)	49	49	51	55
Marine	61	56	8.9	55	48	47	43
Natural Gas	46	43	7.0	43	40	39	42
Total	**145**	**140**	3.6	**146**	**137**	**137**	**139**
Metalworking Oils	113	74	52.7	74	83	76	89
Process Oils	391	378	3.4	416	387	352	327

(a) Data revised according to revisions submitted by respondents.

Source: National Petroleum Refiners Assn. 1990 Report on U.S. Lubricating Sales.

Gasoline Consumption by State, 1991

(Includes highway and off-highway consumption)
(000 gal.)

State	Rank		Gallonage (a)		% Change	Gasohol Included	
	1991	1990	1991	1990		1991	1990(b)
Alabama	18	20	2,121,096	2,120,444	—	194,733	197,856
Alaska	49	50	244,235	274,133	(10.9)	—	—
Arizona	24	25	1,738,921	1,694,334	2.6	—	—
Arkansas	31	32	1,257,251	1,262,151	0.4	38,638	62,004
California	1	1	12,786,663	13,304,359	(3.9)	596,859	479,716
Colorado	26	27	1,555,459	1,548,545	0.4	100,844	97,263
Connecticut	27	28	1,448,260	1,348,658	7.4	13,520	—
Delaware	46	47	333,571	346,981	(3.9)	—	—
Dist. of Col.	—	—	176,291	174,175	1.2	324	—
Florida	3	3	6,091,565	6,166,807	(1.2)	95,556	77,558
Georgia	9	9	3,571,189	3,571,616	—	94,960	88,672
Hawaii	42	44	401,050	388,769	3.2	—	—
Idaho	40	41	493,359	496,127	0.7	78,432	70,199
Illinois	6	6	4,569,567	4,648,063	(1.7)	1,239,484	1,388,086
Indiana	13	14	2,655,554	2,696,418	(1.5)	170,607	638,337
Iowa	28	29	1,402,284	1,376,530	1.9	451,592	374,897
Kansas	32	33	1,218,326	1,249,019	(2.5)	71,242	73,971
Kentucky	21	23	1,810,107	1,850,870	1.0	346,130	355,987
Louisiana	23	22	1,839,316	1,897,677	(3.1)	71,470	38,760
Maine	38	39	608,149	611,394	(0.5)	—	—
Maryland	20	18	2,091,781	2,091,205	—	—	—
Massachusetts	15	16	2,349,985	2,436,221	(3.5)	—	—
Michigan	7	8	4,379,179	4,371,053	0.2	662,986	510,447
Minnesota	19	21	2,101,309	2,077,600	1.1	461,613	244,336
Mississippi	30	31	1,288,018	1,265,062	1.8	—	—
Missouri	12	13	2,759,951	2,752,483	2.7	—	267,408
Montana	41	42	446,668	447,363	(0.2)	5,626	1,123
Nebraska	36	36	768,268	795,515	(3.4)	350,616	300,632
Nevada	37	38	665,955	651,818	2.2	66,229	49,167
New Hampshire	39	40	522,166	510,137	2.4	—	—
New Jersey	10	11	3,526,624	3,527,419	—	—	—
New Mexico	33	35	834,081	811,429	2.8	152,856	156,935
New York (c)	—	4	—	5,996,576	—	—	—
North Carolina	8	10	3,593,151	3,337,499	7.7	52,804	—
North Dakota	45	46	354,545	352,200	0.7	53,356	35,821
Ohio	4	5	4,746,125	4,795,925	(1.0)	1,116,757	1,072,040
Oklahoma	25	24	1,698,111	1,712,668	(0.8)	—	—
Oregon	29	30	1,375,230	1,366,546	0.6	—	—
Pennsylvania	5	7	4,681,003	4,722,253	(0.9)	—	—
Rhode Island	44	45	373,065 (d)	380,238	(1.9)	—	—
South Carolina	22	26	1,846,228 (d)	1,866,536	(1.1)	62,549	62,549
South Dakota	43	43	397,442	393,896	0.9	136,249	60,000
Tennessee	14	15	2,538,350	2,494,386	1.8	178,373	246,713
Texas	2	2	8,564,707	8,859,462	(3.3)	244,095	247,384
Utah	35	37	769,084	724,524	6.2	300	485
Vermont	48	49	292,321	290,641	0.6	—	—
Virginia	11	12	3,014,829	3,026,255	(0.4)	152,968	161,202
Washington	16	17	2,347,601	2,311,131	1.6	101,009	86,847
West Virginia	34	34	828,660	848,683	(2.4)	—	—
Wisconsin	17	19	2,130,566	2,125,862	0.2	204,978	82,961
Wyoming	47	48	303,076	307,602	(1.5)	7,539	9,513
U.S. Total	—	—	**107,976,292**	**114,677,258**	**(3.8)**	**6,570,314**	**7,539,169**

(a) These totals reflect the gross gallonage of gasoline reported for tax purposes by wholesale distributors in each state. The data are taken from state tax reports. The data include highway and nonhighway use.

(b) These totals show gross gallons of gasohol (ethanol blends) reported by the states. In states where gasohol is taxed at the same rate as gasoline, some gasohol may be commingled with gasoline data. All 1992 totals, gasoline and gasohol, are preliminary totals.

(c) Data not available for 1991 due to nonreporting.

(d) *NPN* projection due to late reporting.

Source: Federal Highway Administration, Monthly Motor Fuel Reported by States, March 1992.

Gasoline Octanes–U.S. Service Stations

		Leaded Regular (a)			Unleaded Regular (b)			Unleaded Premium (c)		
Year	Season	Rsh.	Mtr.	(R+M)* 2	Rsh.	Mtr.	(R+M)* 2	Rsh.	Mtr.	(R+M)* 2
1991	Summer	93.0	83.8	88.4	91.7	82.5	87.1	97.4	87.2	92.3
1990-91	Winter	93.1	84.1	88.6	91.6	82.9	87.3	97.1	87.5	92.3
1990	Summer	93.1	84.0	88.6	92.0	82.8	87.4	97.4	87.6	92.5
1989-90	Winter	93.5	83.9	88.7	91.7	82.6	87.2	97.3	87.4	92.4
1989	Summer	93.3	83.8	88.6	91.9	82.5	87.2	97.4	87.2	92.3
1988-89	Winter	93.1	83.7	88.4	91.6	82.6	87.2	97.0	87.2	92.1
1988	Summer	93.3	83.7	88.5	92.2	82.7	87.5	97.0	86.8	91.9
1987-88	Winter	93.1	84.2	88.7	91.9	82.9	87.4	96.7	87.0	91.9
1987	Summer	93.3	84.0	88.7	92.0	82.7	87.4	96.8	86.8	91.8
1986-87	Winter	93.1	84.2	88.7	91.7	82.7	87.2	96.7	86.9	91.8
1986	Summer	93.3	84.3	88.8	92.0	82.7	87.3	96.7	86.7	91.7
1985-86	Winter	93.0	84.5	88.8	91.8	82.8	87.3	96.8	86.9	91.8
1985	Summer	92.8	84.8	88.8	91.9	82.8	87.4	96.5	86.8	91.7
1984-85	Winter	92.8	85.2	89.1	91.8	82.9	87.4	96.4	86.8	91.6
1984	Summer	92.9	85.0	89.0	91.6	82.9	87.3	96.5	86.9	91.7
1983-84	Winter	92.7	84.9	88.8	91.7	82.9	87.3	96.1	86.6	91.3
1983	Summer	93.1	84.9	89.0	92.0	82.9	87.5	96.4	86.5	91.4
1982-83	Winter	92.9	85.2	89.1	91.7	82.9	87.3	96.3	86.7	91.5
1982	Summer	93.0	85.0	89.0	91.9	82.8	87.3	96.8	86.6	91.7
1981-82	Winter	92.7	81.1	88.9	91.8	82.9	87.4	96.6	86.8	91.7
1981	Summer	92.8	85.1	89.0	91.9	83.0	87.4	96.3	86.2	91.3

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*Antiknock index.

(a) Below 93 octane.

(b) Below 90 Octane. In 1989, a new set of figures dealing with unleaded midgrade were added. 1989-1991 unleaded are below 88.0

(c) 90 octane and above.

Source: Motor Gasolines, Summer 1990, National Institute for Petroleum and Energy Research, Bartlesville, Oklahoma, February 1991.

Regional Octane Averages—Summer 1990 (a)

	Unleaded Regular (b)			Unleaded Regular (c)			Unleaded Premium (d)			Alcohol-Blended Premium(e)		
Region	Rsh.	Mtr.	(R+M)* 2	Rsh.	Mtr.	(R+M)* 2	Rsh.	Mtr.	(R+M)* 2*	Rsh.	Mtr.	(R+M)* 2
Northeast	91.8	82.3	87.1	94.4	84.4	89.3	97.9	87.3	92.6	98.0	85.7	91.9
Mid-AtlanticCoast ...	92.0	82.4	87.2	94.2	84.5	89.4	97.9	87.2	92.5	—	—	—
Southeast	91.7	82.4	87.1	94.1	84.3	89.2	97.5	87.1	92.3	97.2	85.7	91.5
Florida.....................	91.7	82.4	87.0	94.2	84.4	89.3	98.1	87.8	93.0	97.5	87.3	92.4
North Central	91.4	82.5	86.9	93.7	84.8	89.3	97.0	87.9	92.5	96.9	87.2	92.1
Ohio Valley	91.7	82.5	87.1	93.7	84.7	89.2	97.2	87.4	92.3	97.6	87.3	92.5
Central and Upper Plains	91.1	82.8	87.0	93.6	84.6	89.2	96.1	87.0	91.6	95.7	85.6	90.7
Oklahoma and East Texas...........	92.1	82.5	87.3	94.1	84.4	89.3	97.4	87.2	92.3	96.8	85.8	91.3
West Southwest......	91.7	82.5	87.1	93.9	84.8	89.4	97.2	87.1	92.1	97.7	86.8	92.3
Pacific Northwest....	91.5	82.8	87.2	—	—	—	97.3	86.9	92.1	—	—	—
North California and North Nevada	92.3	82.4	87.4	93.3	83.2	88.3	97.2	86.9	92.1	97.1	85.9	91.5
South California	91.5	82.8	87.2	93.5	83.3	88.4	97.4	86.7	92.1	99.1	86.9	93.0
Average	**91.7**	**82.5**	**87.1**	**93.9**	**84.3**	**89.1**	**97.4**	**86.2**	**92.3**	**97.4**	**86.4**	**91.9**

(a) Leaded octane data were dropped in 1989 and a new set of figures dealing with unleaded midgrade gasoline were added.

(b) Below 88 octane.

(c) 88.0 to 89.9 octane.

(d) 90 octane and above.

(e) 90 octane and above, blended.

NB: Regions were reduced from 17 to 12 by the API Products Committee in 1989.

Source: Motor Gasolines, Summer 1991, National Institute for Petroleum and Energy Research, February 1991.

Gasoline Consumption by Month, 1990 (a)

(Add 000 gal.)

State	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Alabama	165,939	154,414	186,531	177,038	189,481	183,308	186,464	191,705	161,861	177,862	173,545	172,296	2,120,444
Alaska	14,609	13,819	15,285	15,179	51,944	26,920	28,974	26,228	23,926	20,266	18,780	18,203	274,132
Arizona	137,580	145,211	138,086	145,949	132,623	148,067	140,193	129,330	145,194	152,291	144,595	135,215	1,694,334
Arkansas	51,870	130,912	73,849	86,300	162,226	111,317	121,139	100,770	115,817	100,325	48,280	159,346	1,262,151
California	1,077,869	1,028,542	1,159,457	1,119,390	1,138,520	1,150,262	1,168,326	1,159,701	1,062,314	1,105,746	1,068,403	1,065,829	13,304,359
Colorado	115,747	111,469	127,866	126,178	141,839	137,855	138,313	153,265	124,429	133,247	116,404	121,933	1,548,545
Connecticut	106,820	100,460	116,566	105,036	116,537	118,495	114,805	120,385	107,716	114,115	114,562	113,141	1,348,658
Delaware	25,733	25,323	28,707	29,136	50,027	11,492	31,992	33,371	27,627	28,956	27,527	27,090	346,981
Dist. of Col.	15,152	13,309	15,607	14,764	14,604	14,436	14,833	15,137	14,007	14,235	14,043	14,048	174,175
Florida	535,235	518,116	505,269	574,248	525,085	520,778	500,919	509,899	522,195	465,047	503,673	486,343	6,166,807
Georgia	273,834	280,655	312,408	275,671	330,619	307,471	306,617	317,506	278,013	299,760	294,924	294,138	3,571,616
Hawaii	31,198	31,090	32,407	33,282	33,420	33,566	34,887	33,811	32,390	32,637	31,546	28,535	388,769
Idaho	38,274	35,733	33,357	33,269	41,609	37,407	40,713	45,978	46,429	56,150	42,606	44,602	496,127
Illinois	328,532	423,446	381,607	383,135	406,063	397,315	405,700	399,732	367,902	398,368	380,049	376,214	4,648,063
Indiana	202,733	191,599	227,402	220,464	233,439	236,753	240,634	246,153	215,356	235,317	221,785	224,783	2,696,418
Iowa	100,964	94,484	106,408	120,711	123,056	108,290	143,584	124,989	95,928	142,902	95,548	119,666	1,376,530
Kansas	92,657	90,005	108,008	101,766	112,561	116,209	111,709	113,931	95,945	104,224	100,262	101,742	1,249,019
Kentucky	116,598	153,417	143,115	168,375	170,541	161,477	156,200	174,641	146,076	157,958	148,210	154,262	1,850,870
Louisiana	148,765	138,868	163,121	157,140	135,177	169,250	167,417	186,875	145,425	162,707	153,340	169,592	1,897,677
Maine	51,560	37,905	54,199	42,473	52,990	54,431	60,256	60,884	50,859	52,286	42,695	50,856	611,394
Maryland	166,833	160,287	195,288	183,220	183,323	175,385	190,243	189,391	171,300	183,326	177,876	114,733	2,091,205
Massachusetts	192,438	180,929	208,252	196,171	212,617	214,121	191,839	241,730	194,666	204,752	199,496	199,210	2,436,221
Michigan	344,302	314,697	356,277	352,822	390,339	387,353	391,303	412,546	337,977	372,412	363,925	347,100	4,371,053
Minnesota	144,789	154,652	162,945	164,450	188,586	182,774	196,846	177,129	194,751	180,346	165,939	164,393	2,077,600
Mississippi	94,797	92,005	115,570	99,310	118,895	107,365	108,238	115,830	94,174	108,075	106,249	104,554	1,265,062
Missouri	208,807	198,740	230,116	218,391	252,839	245,629	249,075	250,767	220,082	235,178	228,086	214,773	2,752,483
Montana	28,291	28,812	34,481	33,913	38,926	43,122	49,909	49,221	37,919	36,056	35,748	30,965	447,363
Nebraska	55,395	55,079	67,979	62,561	70,617	70,501	75,505	74,732	63,437	67,221	64,291	68,197	795,515
Nevada	51,415	50,358	46,995	54,317	52,845	50,733	61,948	58,064	62,802	53,205	53,384	55,752	651,818
New Hampshire	39,937	38,289	40,861	39,436	42,612	43,819	47,177	50,800	41,555	43,637	40,969	41,045	510,137
New Jersey	302,511	228,736	328,179	284,872	239,093	375,686	309,278	247,482	291,073	348,928	297,598	273,983	3,527,419
New Mexico	64,960	61,351	52,175	79,562	73,298	74,773	73,021	73,841	66,990	66,520	66,798	58,140	811,429
New York	416,789	492,771	598,652	445,475	532,888	510,602	490,864	592,310	477,907	488,363	472,855	477,100	5,996,576
North Carolina	262,367	246,437	277,782	288,658	292,941	290,722	296,609	307,581	260,703	279,940	268,306	265,453	3,337,499
North Dakota	19,329	27,425	23,665	32,824	29,421	33,532	36,277	38,267	29,783	29,500	28,294	23,883	352,200
Ohio	383,929	338,603	391,442	407,622	426,775	425,800	419,834	439,517	382,056	404,527	383,552	392,268	4,795,925
Oklahoma	111,163	153,225	144,215	139,945	148,103	159,462	146,128	159,863	134,289	133,199	143,742	139,334	1,712,668
Oregon	61,604	126,720	90,311	136,149	119,973	103,397	129,325	146,157	125,192	115,784	88,293	123,641	1,366,546
Pennsylvania	357,132	345,955	399,590	384,101	415,749	411,489	409,257	429,245	381,578	404,551	400,712	382,894	4,722,253
Rhode Island	30,519	30,519	30,519	32,143	32,143	32,143	32,602	32,602	32,602	31,482	31,482	31,482	380,238
South Carolina	85,276	197,812	153,382	169,266	167,737	162,237	164,977	169,952	145,895	150,759	153,175	146,068	1,866,536
South Dakota	24,740	25,327	31,673	29,080	34,883	37,487	42,168	42,585	32,606	32,098	31,258	29,991	393,896
Tennessee	192,474	177,310	200,247	224,149	222,956	201,086	235,654	210,193	214,997	212,393	190,080	212,847	2,494,386
Texas	714,521	677,604	776,979	741,879	781,363	789,124	769,824	781,771	694,567	720,121	704,669	707,040	8,859,462
Utah	56,789	53,502	59,801	58,438	66,057	65,751	65,328	71,697	60,361	61,132	55,636	50,032	724,524
Vermont	20,181	27,330	22,955	20,836	24,221	24,976	27,147	28,852	23,325	25,770	22,994	22,054	290,641
Virginia	239,831	213,433	254,069	270,719	235,158	302,613	265,045	273,247	227,349	264,272	257,403	223,116	3,026,255
Washington	175,316	160,411	202,533	185,078	202,188	200,590	214,681	220,004	193,794	195,956	185,935	174,645	2,311,131
West Virginia	67,082	61,275	74,798	73,300	65,427	76,811	80,280	69,914	77,823	63,746	55,234	82,993	848,683
Wisconsin	156,315	152,195	168,127	166,178	187,701	187,206	200,411	206,212	171,249	172,991	177,632	179,645	2,125,862
Wyoming	23,464	17,716	21,037	19,320	25,641	21,597	24,123	34,750	32,610	34,901	23,590	28,853	307,602
U.S. Total	**8,724,965**	**8,808,302**	**9,690,150**	**9,523,689**	**10,037,676**	**10,052,985**	**10,108,591**	**10,340,543**	**9,254,821**	**9,675,540**	**9,215,978**	**9,244,018**	**114,677,258**

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a) Revised.

This table, based on Federal Highway Administration data, shows gross gallons of gasoline reported by wholesale distributors in each state. The data were taken from state taxation reports and may reflect time lags up to six weeks between the wholesale level and retail sales. The data include highway use, nonhighway use and losses.

(Source: Federal Highway Administration, Monthly Motor Fuel Reported by States, December 1991, published March 1992.

Gasoline Consumption by Month, 1991

(Add 000 gal.)

State	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Alabama	166,964	154,851	173,535	180,971	184,830	176,399	191,950	182,371	172,113	184,199	167,895	185,018	2,121,096
Alaska	17,135	15,038	15,687	18,500	20,479	26,497	27,615	25,593	20,970	20,408	18,415	17,898	244,235
Arizona	149,581	141,573	132,292	143,654	143,385	161,743	135,825	140,025	144,990	153,611	149,182	143,060	1,738,921
Arkansas	73,282	108,308	90,515	115,930	89,403	133,765	117,913	79,765	129,888	33,169	163,937	121,376	1,257,251
California	1,066,885	996,946	1,100,474	1,095,547	1,100,908	1,105,144	1,154,619	1,124,434	1,050,830	1,127,097	864,178	999,601	12,786,663
Colorado	121,095	106,678	124,323	136,035	132,835	127,794	145,006	144,719	128,084	135,313	129,242	124,335	1,555,459
Connecticut	113,420	105,477	119,890	117,071	126,757	119,822	124,393	129,229	119,824	124,890	124,047	123,440	1,443,260
Delaware	24,424	24,357	26,208	27,150	47,773	13,511	28,095	31,035	27,485	25,521	30,209	27,803	333,571
Dist. of Col.	14,241	13,316	14,533	14,850	15,214	15,121	14,253	14,959	14,322	15,652	15,042	14,788	176,291
Florida	510,562	509,261	484,468	547,476	516,812	519,315	491,675	515,815	517,464	476,513	505,644	496,560	6,091,565
Georgia	274,080	263,820	303,534	301,635	305,434	296,486	319,747	311,867	284,339	309,907	293,734	306,606	3,571,189
Hawaii	28,264	38,787	30,124	34,950	33,670	33,045	33,815	34,945	32,798	33,712	32,966	33,974	401,050
Idaho	36,502	35,010	35,383	34,889	43,003	36,742	42,959	44,174	53,303	51,223	41,253	44,918	499,359
Illinois	382,214	315,970	371,582	395,459	394,890	398,275	408,497	379,073	381,470	377,491	384,814	379,832	4,569,567
Indiana	205,303	185,373	213,429	223,989	241,139	230,130	240,660	238,837	219,255	232,813	222,017	202,509	2,655,554
Iowa	116,628	93,103	96,830	119,943	148,633	117,249	124,406	130,940	115,197	125,884	105,655	107,816	1,402,284
Kansas	95,009	85,666	97,663	100,464	109,722	110,702	109,058	106,848	98,831	103,515	98,265	102,583	1,218,326
Kentucky	134,861	131,457	147,124	175,316	165,830	159,100	167,992	163,894	151,738	158,266	141,162	173,367	1,870,107
Louisiana	137,589	121,856	156,221	159,552	156,969	158,684	159,548	167,208	161,675	143,714	149,907	166,393	1,839,316
Maine	36,225	50,328	36,807	55,738	53,413	51,807	56,426	66,596	51,521	53,460	46,753	49,075	608,149
Maryland	170,242	155,771	168,023	176,825	185,591	181,743	179,792	174,595	173,687	180,861	172,116	172,535	2,091,781
Massachusetts	187,936	172,845	191,038	187,856	206,499	199,067	203,941	212,002	186,068	205,812	195,128	201,793	2,349,985
Michigan	325,308	304,197	361,746	353,101	389,621	384,023	405,080	406,862	336,577	330,965	392,177	389,522	4,379,179
Minnesota	145,467	147,899	177,253	165,204	183,606	187,061	198,438	196,282	176,180	116,777	227,029	180,113	2,101,309
Mississippi	96,511	86,422	102,613	112,270	114,883	113,784	118,926	108,808	97,486	118,779	100,456	117,080	1,288,018
Missouri	205,249	198,045	224,358	230,714	245,092	239,289	250,768	246,236	223,020	233,443	233,332	230,405	2,759,951
Montana	31,243	25,727	32,760	34,251	38,395	40,279	51,453	48,667	37,896	40,041	33,597	32,359	446,668
Nebraska	55,005	51,570	58,724	64,592	68,694	69,215	74,333	70,304	65,899	68,606	57,861	63,465	768,268
Nevada	53,128	51,007	43,733	56,322	54,449	57,733	57,674	61,686	63,559	55,290	58,511	52,863	665,955
New Hampshire	41,795	41,268	39,956	40,143	44,368	43,693	48,439	50,525	41,970	45,612	40,914	43,483	522,166
New Jersey	278,884	226,924	269,696	326,850	236,207	386,678	314,887	277,772	291,594	276,035	322,335	318,762	3,526,624
New Mexico	67,236	61,248	63,156	73,949	70,413	70,804	75,753	74,814	66,098	66.561	68,913	75,136	834,081
New York (a)	—	—	—	—	—	—	—	—	—	—	—	—	—
North Carolina	254,532	229,801	273,491	277,468	294,676	274,457	297,538	295,513	267,326	285,736	255,904	586,709	3,593,151
North Dakota	27,515	19,691	26,047	29,276	30,963	31,286	37,019	36,662	29,808	30,610	27,439	28,229	354,545
Ohio	393,552	329,439	368,487	399,357	435,001	413,939	425,887	407,119	377,355	417,323	385,159	393,507	4,746,125
Oklahoma	118,175	131,312	122,730	121,652	186,223	152,413	149,733	138,325	145,095	135,341	142,524	154,588	1,698,111
Oregon	71,709	104,306	127,995	109,941	96,106	130,496	141,803	125,321	128,876	103,416	122,441	112,820	1,375,230
Pennsylvania	365,516	333,084	384,621	392,291	421,939	398,334	406,163	429,487	359,756	405,167	386,619	398,026	4,681,003
Rhode Island	30,689	30,689	30,689	30,794	30,794	30,794	31,436	31,436	31,436	31,436*	31,436*	31,436*	373,065
South Carolina	139,934	138,952	152,715	154,868	163,320	156,183	159,837	164,919	153,875*	153,875*	153,875*	153,875*	1,846,228
South Dakota	28,529	24,375	28,500	30,314	35,250	38,024	43,782	39,512	33,989	35,380	29,528	30,259	397,442
Tennessee	210,016	175,230	200,491	223,291	214,132	228,440	219,382	218,065	217,558	200,269	217,113	214,363	2,538,350
Texas	706,934	637,623	741,709	702,899	731,923	689,983	729,321	768,677	729,980	704,625	702,707	718,326	8,564,707
Utah	58,471	52,353	59,929	65,453	62,450	64,968	70,293	71,993	75,227	67,291	57,291	63,365	769,084
Vermont	23,234	21,840	20,595	21,840	25,036	24,563	28,318	29,383	24,192	26,635	22,769	23,916	292,321
Virginia	228,974	228,924	246,550	254,209	218,005	296,665	256.974	275,386	258,842	253,165	233,279	263,856	3,014,829
Washington	177,482	164,457	188,794	193,415	202,868	196,245	216,508	223,755	196,173	206,364	188,531	193,009	2,347,601
West Virginia	59,697	56,584	65,825	68,657	70,967	79,439	73,897	67,409	74,938	63,716	69,705	77,826	828,660
Wisconsin	165,868	149,296	161,607	167,857	189,268	185,885	202,442	199,857	171,346	186,020	172,596	178,524	2,130,566
Wyoming	19,692	19,707	20,626	23,780	18,618	20,180	26,116	33,720	34,555	35,584	25,249	25,249*	303,076
U.S. Total	**8,442,787**	**7,867,761**	**8,725,079**	**9,088,558**	**9,296,456**	**9,376,994**	**9,590,385**	**9,517,419**	**8,946,458**	**8,967,093**	**8,810,851**	**9,346,451**	**107,976,292**

(a) Data not available for 1992 due to nonreporting.

* NPN projection, due to late reporting.

This table, based on Federal Highway Administration data. shows gross gallons of gasoline reported by wholesale distributors in each states. The data are taken from state taxation reports. The data include highway use, nonhighway use and losses.

Source: Federal Highway Administration, Monthly Motor Fuel Reported by States 1991, and some estimates by NPN.

Gasoline Consumption by Rank, 1991

State	Rank 1991	Rank 1990	Gallonage (000) 1991 (a)
California	1	1	12,783,663
Texas	2	2	8,564,707
Florida	3	3	6,091,565
Ohio	4	5	4,746,125
Pennsylvania	5	7	4,681,003
Illinois	6	6	4,569,567
Michigan	7	8	4,379,179
North Carolina	8	10	3,593,151
Georgia	9	9	3,571,189
New Jersey	10	11	3,526,624
Virginia	11	12	3,014,829
Missouri	12	13	2,759,951
Indiana	13	14	2,655,554
Tennessee	14	15	2,538,350
Massachusetts	15	16	2,349,985
Washington	16	17	2,347,601
Wisconsin	17	19	2,130,566
Alabama	18	20	2,121,096
Minnesota	19	21	2,101,309
Maryland	20	18	2,091,781
Kentucky	21	23	1,870,107
South Carolina	22	26	1,846,228
Louisiana	23	22	1,839,316
Arizona	24	25	1,738,921
Oklahoma	25	24	1,698,111
Colorado	26	27	1,555,459
Connecticut	27	28	1,448,260
Iowa	28	29	1,402,284
Oregon	29	30	1,375,230
Mississippi	30	31	1,288,018
Arkansas	31	32	1,257,251
Kansas	32	33	1,218,326
New Mexico	33	35	834,081
West Virginia	34	34	828,660
Utah	35	37	769,084
Nebraska	36	36	768,268
Nevada	37	38	665,955
Maine	38	39	608,149
New Hampshire	39	40	522,166
Idaho	40	41	499,359
Maine	41	42	446,668
Hawaii	42	44	401,050
South Dakota	43	43	397,442
Rhode Island	44	45	373,065
North Dakota	45	46	354,545
Delaware	46	47	333,571
Wyoming	47	48	303,076
Vermont	48	49	292,321
Alaska	49	50	244,235
New York(b)	—	4	—
Dist. of Col.	—	—	—

(a) Includes some *NPN* projections due to late reporting. (b) Data not available due to nonreporting.
Source: Federal Highway Administration, Monthly Motor Fuel Reported by States, March 1992.

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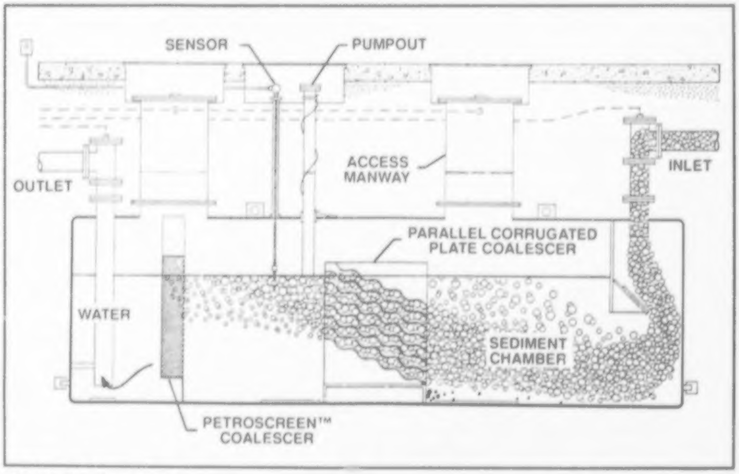

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Gasohol Consumption by Month, 1990 (a)

(Add 000 gal.)

State	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Alabama	13,974	10,483	24,589	16,826	22,507	11,267	18,883	10,304	8,422	22,048	20,340	18,213	197,856
Alaska	—	—	—	—	—	—	—	—	—	—	—	—	—
Arizona	—	—	—	—	—	—	—	—	—	—	—	—	—
Arkansas	5,167	5,167	5,167	5,167	5,167	5,167	5,167	5,167	5,167	5,167	5,167	5,167	62,004
California	28,155	26,876	30,978	29,052	28,267	36,868	31,558	37,059	48,421	57,541	60,382	64,559	479,716
Colorado	7,168	6,970	4,763	6,299	8,387	6,522	6,356	7,032	6,309	13,212	11,837	12,408	97,263
Connecticut	—	—	—	—	—	—	—	—	—	—	—	—	—
Delaware	—	—	—	—	—	—	—	—	—	—	—	—	—
Dist. of Col.	—	—	—	—	—	—	—	—	—	—	—	—	—
Florida	6,177	6,069	5,860	6,782	6,388	6,742	6,793	6,904	15,989	5,126	-1,690	6,418	77,558
Georgia	3,096	3,035	6,869	9,270	9,390	9,229	9,656	8,227	7,518	7,584	7,507	7,291	88,672
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—	—
Idaho	4,086	6,172	5,194	5,326	6,576	3,886	5,595	6,716	6,688	7,085	6,222	6,653	70,199
Illinois	98,527	97,950	113,476	105,826	122,915	119,232	120,441	122,094	109,957	127,772	126,146	123,750	1,388,086
Indiana	49,958	49,958	49,958	46,404	46,404	46,404	64,491	64,491	64,491	51,926	51,926	51,926	638,337
Iowa	30,311	28,024	29,762	34,474	31,971	27,530	34,416	30,032	26,321	36,912	28,857	36,287	374,897
Kansas	7,079	7,042	8,071	7,264	6,664	5,972	5,939	5,496	4,746	5,137	4,929	5,632	73,971
Kentucky	20,954	32,955	34,322	31,238	31,429	25,097	33,622	29,471	26,770	34,405	20,517	35,207	355,987
Louisiana	1,973	4,593	3,147	1,981	2,341	2,476	2,845	2,232	3,890	4,409	3,674	5,199	38,760
Maine	—	—	—	—	—	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	—	—	—	—	—	—	—	—	—	—	—	—	—
Michigan	27,547	30,296	37,623	36,038	44,663	45,138	48,742	48,712	46,731	39,867	49,572	55,518	510,447
Minnesota	13,853	15,505	17,593	18,678	20,805	20,312	20,511	22,122	20,521	23,764	24,410	26,262	244,336
Mississippi	—	—	—	—	—	—	—	—	—	—	—	—	—
Missouri	22,284	22,284	22.284	22,284	22,284	22,284	22,284	22,284	22,284	22,284	22,284	22,284	267,408
Montana	61	25	4	3	26	24	16	18	20	405	123	398	1,123
Nebraska	21,814	21,031	25,068	23,364	25,845	25,281	26,059	25,319	25,783	26,764	25,123	29,181	300,632
Nevada	5,661	5,601	4,632	2,600	2,829	2,146	3,764	2,973	2,837	4,347	5,674	6,103	49,167
New Hampshire	—	—	—	—	—	—	—	—	—	—	—	—	—
New Jersey	—	—	—	—	—	—	—	—	—	—	—	—	—
New Mexico	19,900	16,477	10,509	15,079	13,361	12,304	7,007	10,381	8,512	9,607	16,843	16,955	156,935
New York	—	—	—	—	—	—	—	—	—	—	—	—	—
North Carolina	—	—	—	—	—	—	—	—	—	—	—	—	—
North Dakota	2,501	2,464	2,832	2,933	2,911	3,006	3,187	3,244	2,883	3,066	3,337	3,457	35,821
Ohio	78,788	75,768	87,771	86,766	92,493	94,854	91,586	98,256	86,885	94,254	91,089	93,530	1,072,040
Oklahoma	—	—	—	—	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—	—	—	—	—	—	—
Pennsylvania	—	—	—	—	—	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—	—
South Carolina	8,195	7,447	6,015	4,611	4,598	4,397	3,359	3,030	4,824	6,361	6,189	3,523	62,549
South Dakota	3,843	3,642	4,383	3,959	4,721	4,417	4,839	5,119	4,994	5,808	6,620	7,655	60,000
Tennessee	11,750	565	16,036	12,184	19,590	27,339	40,172	—	3,815	54,045	33,492	27,725	246,713
Texas	20,000	20,000	20,000	20,000	20,000	20,000	24,552	22,280	19,795	20,523	20,083	20,151	247,384
Utah	42	33	50	42	42	58	34	42	41	25	42	34	485
Vermont	—	—	—	—	—	—	—	—	—	—	—	—	—
Virginia	20,646	17,747	18,667	9,480	13,050	14,589	10,202	11,649	9,437	11,924	12,446	11,365	161,202
Washington	5,449	5,414	6,683	6,833	7,802	7,526	8,441	8,210	7,568	8,450	7,303	7,168	86,847
West Virginia	—	—	—	—	—	—	—	—	—	—	—	—	—
Wisconsin	1,732	3,769	7,398	6,886	4,703	7,720	10,390	7,559	7,027	11,134	5,591	9,052	82,961
Wyoming	371	420	442	447	445	314	460	655	453	1,747	1,728	2,031	9,513
U.S. Total	**541,062**	**533,782**	**610,146**	**578,096**	**628,574**	**618,101**	**671,367**	**627,078**	**609,099**	**722,699**	**678,763**	**721,102**	**7,539,169**

(a) Revised.

This table, prepared by the Federal Highway Administration, shows gross gallons of gasohol (ethanol blends) reported by the various states. The data were obtained from the state taxation reports. In states where gasohol is taxed at the same rate as gasoline, some gasohol gallonage may be commingled with gasoline data. This report indicates there was a decrease in gasohol sales in 1990.

Source: Federal Highway Administration, Monthly Motor Fuel Reported by States, December 1991, published March 1992.

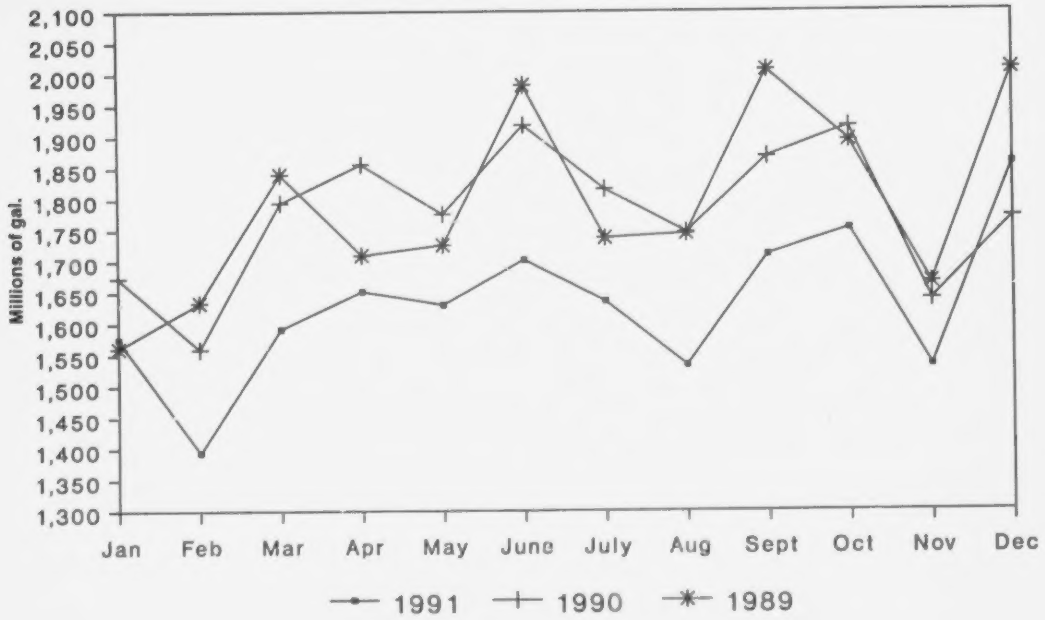
Gasohol Consumption by Month, 1991

(Add 000 gal.)

State	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Alabama	8,450	10,017	10,748	10,102	16,156	19,512	15,334	39,320	19,451	17,373	14,492	13,778	194,733
Alaska	—	—	—	—	—	—	—	—	—	—	—	—	—
Arizona	—	—	—	—	—	—	—	—	—	—	—	—	—
Arkansas	—	—	—	—	7,711	4,264	5,962	5,806	4,863	3,615	2,037	4,380	38,638
California	55,504	52,122	57,701	59,548	58,467	57,650	58,272	57,865	50,836	49,540	19,442	19,912	596,859
Colorado	12,062	10,918	10,644	7,519	7,283	7,095	7,012	7,410	6,581	8,638	7,993	7,689	100,844
Connecticut	—	—	—	—	—	—	—	—	916	9,752	4,478	4,374	19,520
Delaware	—	—	—	—	—	—	—	—	—	—	—	—	—
Dist. of Col.	48	44	43	37	59	39	54	—	—	—	—	—	324
Florida	6,004	7,222	7,190	8,173	7,853	8,127	8,202	8,639	8,856	8,188	8,023	9,079	95,556
Georgia	7,286	7,607	9,908	10,208	10,027	9,512	9,750	10,635	8,514	5,598	3,522	2,413	94,980
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—	—
Idaho	5,829	5,911	5,782	5,176	6,922	6,134	6,631	6,896	7,678	7,622	6,464	7,387	78,432
Illinois	110,489	106,410	120,834	122,631	130,164	126,522	130,792	137,027	125,934	128,681	—	—	1,239,484
Indiana	56,869	56,869	56,869	—	—	—	—	—	—	—	—	—	170,607
Iowa	36,817	31,658	32,965	39,902	42,088	38,015	39,453	44,017	38,543	41,487	38,180	38,850	461,975
Kansas	5,055	4,297	5,992	5,589	6,188	6,317	6,063	5,566	5,800	7,031	6,594	6,750	71,242
Kentucky	23,637	21,410	26,003	15,444	23,190	24,868	21,921	23,068	20,819	78,822	34,341	32,607	346,130
Louisiana	3,260	1,933	3,078	2,357	7,359	8,081	5,933	8,014	7,969	8,899	6,502	8,091	71,470
Maine	—	—	—	—	—	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	—	—	—	—	—	—	—	—	—	—	—	—	—
Michigan	48,834	47,966	53,225	53,683	58,152	56,361	59,331	64,490	57,251	60,831	56,136	46,726	662,986
Minnesota	24,686	23,645	28,794	31,848	38,376	39,172	42,882	42,679	42,853	32,913	61,390	52,375	461,613
Mississippi	—	—	—	—	—	—	—	—	—	—	—	—	—
Missouri	—	—	—	—	—	—	—	—	—	—	—	—	—
Montana	428	312	402	407	484	474	581	561	458	544	482	493	5,626
Nebraska	25,616	23,913	26,940	28,879	31,384	30,253	31,531	31,252	29,305	31,436	28,451	31,656	350,616
Nevada	6,548	6,606	5,792	5,817	5,128	5,243	5,234	3,918	3,600	5,336	6,633	6,374	66,229
New Hampshire	—	—	—	—	—	—	—	—	—	—	—	—	—
New Jersey	—	—	—	—	—	—	—	—	—	—	—	—	—
New Mexico	18,245	19,501	6,997	10,923	9,184	9,382	10,335	9,165	9,133	9,019	17,745	23,227	152,856
New York	—	—	—	—	—	—	—	—	—	—	—	—	—
North Carolina	3,423	3,285	4,449	4,334	5,070	4,825	4,973	4,740	4,259	5,370	3,615	4,461	52,804
North Dakota	4,033	3,314	4,010	4,030	4,362	4,149	4,917	4,797	4,534	5,167	4,883	5,160	53,356
Ohio	86,601	81,485	91,577	93,291	98,108	95,752	94,020	96,199	90,619	100,420	97,205	91,480	1,116,757
Oklahoma	—	—	—	—	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—	—	—	—	—	—	—
Pennsylvania	—	—	—	—	—	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—	—
South Carolina	60	1	—	—	11	—	—	—	—	—	—	—	72
South Dakota	8,586	7,896	9,583	10,290	11,448	11,812	13,527	12,700	12,061	13,520	12,227	12,599	136,249
Tennessee	27,773	10,720		38,515	11,703	12,078	10,721	10,661	7,043	21,749	14,806	12,604	178,373
Texas	20,151	18,175	21,139	20,032	20,860	19,665	20,785	21,907	20,804	20,080	20,025	20,472	244,095
Utah	41	25	34	13	31	33	—	32	24	17	26	24	300
Vermont	—	—	—	—	—	—	—	—	—	—	—	—	—
Virginia	10,367	9,698	10,680	10,202	10,805	10,930	12,742	17,761	14,951	15,177	14,978	14,677	152,968
Washington	7,073	6,271	7,663	8,441	8,911	8,533	9,151	9,855	8,634	9,147	8,688	8,642	101,009
West Virginia	—	—	—	—	—	—	—	—	—	—	—	—	—
Wisconsin	10,013	9,743	9,040	10,315	12,449	20,587	26,719	12,785	21,841	25,737	22,933	22,816	204,978
Wyoming	1,586	1,845	1,627	2,011	2,172	2,336	3,018	3,464	3,766	3,743	3,036	—	28,604
U.S. Total	**635,374**	**590,819**	**629,709**	**619,717**	**652,105**	**647,721**	**665,846**	**701,229**	**637,890**	**729,452**	**525,327**	**509,096**	**7,544,285**

This table, prepared by Federal Highway Administration, shows gross gallons of gasohol (ethanol blends) reported by the various states. The data are obtained from the state taxation reports. In states where gasohol is taxed at the same rate as gasoline, some gasohol gallonage may be commingled with gasoline data. At any rate, this is a preliminary report and upward revisions may be expected on the basis of later data. This report indicates there was an increase in 1991.
Source: Federal Highway Administration, Monthly Fuel Reported by States 1991.

Diesel Fuel Consumption Trends



Diesel Fuel Consumption by States 1991

(000 gal.)

	Rank		Gallonage		
	1991	1992	1991(a)	1990(b)	% Change
Alabama	12	13	554,549	571,090	(2.9)%
Alaska	43	38	80,574	84,225	(4.3)
Arizona	26	27	300,902	331,389	(9.1)
Arkansas	18	20	387,121	385,803	(0.3)
California	1	1	1,793,825	1,852,610	(3.2)
Colorado	32	33	218,522	206,041	5.1
Connecticut	35	34	154,628	239,239	(35.4)
Delaware	44	45	55,275	53,266	3.8
Dist. of Col.	48	—	22,147	22,820	(2.9)
Florida	7	7	811,285	891,568	(9.0)
Georgia	6	8	862,607	867,437	(0.6)
Hawaii	47	49	26,130	25,796	1.3
Idaho	38	41	127,617	128,236	(0.5)
Illinois	5	3	881,683	970,823	(9.2)
Indiana	8	9	780,539	704,697	10.8
Iowa	25	24	323,634	376,884	(14.1)
Kansas	27	29	279,314	314,068	(11.1)
Kentucky	16	16	418,777	489,653	(14.5)
Louisiana	21	22	370,940	374,599	(1.0)
Maine	40	37	106,743	111,381	(4.2)
Maryland	28	28	272,753	354,729	(23.1)
Massachusetts	29	30	246,476	267,440	(7.9)
Michigan	13	15	538,197	534,549	0.7
Minnisota	20	25	373,357	327,853	13.9
Mississippi	24	26	333,775	328,349	1.7
Missouri	11	12	591,447	549,301	(0.5)
Montana	39	42	116,177	125,346	(7.3)
Nebraska	30	32	222,816	220,951	(0.8)
Nevada	37	40	141,734	134,841	5.1
New Hampshire	42	46	48,896	52,259	(6.4)
New Jersey	17	18	390,811	422,486	(7.5)
New Mexico	31	31	222,041	222,638	—
New York (c)	—	6	—	859,645	—
North Carolina	9	10	661,645	627,675	5.4
North Dakota		44	96,975	93,127	4.1
Ohio	4	4	896,862	964,867	(7.0)
Oklahoma	19	21	377,633	395,776	(4.6)
Oregon(d)	—	—	—	338,952	—
Pennsylvania	3	5	945,371	931,628	1.5
Rhode Island	46	48	39,882*	41,130	(3.0)
South Carolina	23	19	354,025*	422,623	(16.2)
South Dakota	41	43	102,040	100,901	1.1
Tennessee	10	11	594,100	607,876	(2.3)
Texas	2	2	1,562,695	1,426,255	9.6
Vermont	33	35	172,200	180,928	(4.8)
Utah	45	47	41,543	41,937	—
Virginia	14	14	535,410	580,897	(7.8)
Washington	22	23	363,298	357,795	1.5
West Virginia	36	39	147,899	150,241	(1.6)
Wisconsin	15	17	453,744	443,696	2.3
Wyoming	34	36	160,181	176,724	(9.4)
U.S. Total	—	—	**19,560,896**	**21,330,040**	**(8.3)**

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* NPN projection due to late reporting.

(a) Preliminary. (b) Revised. (c) Data not available for 1991 due to nonreporting. (d) Oregon no longer collects diesel fuel data.

Source: Federal Highway Administration, Monthly Motor Fuel Reported by States, 1991.

Highway Diesel Sales by State, 1990

(Add 000 gal.)

	On-Highway			Off-Highway		
	1990	1989	% Change	1990	1989	% Change
PAD District 1						
New England States						
Connecticut	198,547	257,361	(22.9)	16,350	18,713	(12.6)
Maine	168,243	139,908	20.3	6,789	12,836	(47.1)
Massachusetts	261,683	271,944	(3.8)	18,575	18,219	2.0
New Hampshire	51,811	59,561	(13.0)	6,767	7,674	(11.8)
Rhode Island	40,645	52,932	(23.2)	1,885	3,344	(43.6)
Vermont	41,442	46,250	(10.4)	4,576	5,717	(20.0)
Central Atlantic States						
Delaware	52,637	74,089	(29.0)	3,872	4,202	(7.9)
Dist. of Col.	22,551	23,064	(2.2)	55	31	43.6
Maryland	291,462	351,150	(17.0)	26,647	32,165	(17.2)
New Jersey	420,466	453,482	(7.3)	45,042	52,452	(14.1)
New York	907,848	754,276	20.4	37,335	40,298	(7.4)
Pennsylvania	920,344	915,865	0.5	63,406	51,847	22.3
Lower Atlantic States						
Florida	881,047	899,369	(2.0)	60,235	65,627	(8.2)
Georgia	854,952	838,847	1.9	39,995	38,179	4.8
North Carolina	620,268	614,435	0.9	26,584	26,655	(0.3)
South Carolina	417,636	302,614	38.0	29,172	26,601	9.7
Virginia	540,468	537,569	0.5	34,732	36,720	(5.4)
West Virginia	147,981	159,972	(7.4)	20,165	20,358	(0.9)
Total	**6,840,031**	**6,752,738**	**1.3**	**442,182**	**461,638**	**(4.2)**
PAD District 2						
Illinois	1,141,593	839,968	35.9	70,201	37,553	86.9
Indiana	801,335	784,441	2.2	30,797	29,465	4.5
Iowa	372,390	349,044	6.7	10,508	9,595	9.5
Kansas	310,213	303,893	2.1	11,658	12,352	(5.6)
Kentucky	488,180	692,215	(29.5)	20,578	21,811	(5.7)
Michigan	527,744	528,906	(0.2)	37,825	45,397	(16.7)
Minnesota	330,563	331,625	(0.3)	34,479	26,163	31.8
Missouri	587,288	641,680	(8.5)	26,383	21,499	22.7
Nebraska	218,344	208,258	4.8	11,779	17,083	(31.0)
North Dakota	90,699	90,544	0.2	3,719	4,509	(17.5)
Ohio	923,811	960,195	(3.8)	30,823	27,963	10.2
Oklahoma	380,222	394,174	(3.5)	27,939	22,047	26.7
South Dakota	99,095	91,221	8.6	5,947	5,642	5.4
Tennessee	605,871	587,396	3.1	42,768	26,619	60.7
Wisconsin	438,460	449,764	(2.5)	41,705	32,652	27.7
Total	**7,315,808**	**7,253,324**	**0.9**	**407,109**	**340,350**	**19.6**
PAD District 3						
Alabama	564,351	544,882	3.6	63,954	63,870	0.1
Arkansas	383,712	395,236	(2.9)	36,274	32,128	13.0
Louisiana	434,629	385,621	12.7	61,781	54,974	12.4
Mississippi	310,708	302,523	2.7	29,248	33,576	(12.9)
New Mexico	220,011	205,916	6.8	24,773	21,484	15.3
Texas	1,384,705	1,387,059	(0.2)	201,793	170,936	18.1
Total	**3,298,116**	**3,221,237**	**2.3**	**417,823**	**376,968**	**10.8**
PAD District 4						
Colorado	217,149	185,519	17.0	28,945	27,355	5.8
Idaho	126,723	117,246	8.1	19,254	13,872	38.8
Montana	123,867	119,503	3.7	13,332	15,989	(16.6)
Utah	178,793	125,184	42.8	17,550	18,551	(5.4)
Wyoming	174,639	187,452	(6.8)	20,966	17,844	17.5
Total	**821,171**	**734,904**	**11.7**	**100,047**	**93,611**	**6.9**
PAD District 5						
Alaska	82,538	96,446	(14.4)	16,136	13,980	15.4
Arizona	331,183	314,671	5.2	41,155	37,978	8.4
California	1,819,718	1,913,647	(4.9)	223,469	193,260	15.6
Hawaii	24,968	23,717	5.3	11,386	5,428	109.8
Nevada	133,250	131,055	16.7	21,031	24,066	(12.6)
Oregon	334,950	311,843	7.4	38,126	44,577	(14.5)
Washington	358,744	378,110	(5.1)	57,885	45,640	21.2
Total	**3,085,351**	**3,169,489**	**(2.7)**	**409,188**	**364,929**	**12.1**
U.S. Total	**21,360,477**	**21,131,692**	**1.1**	**1,776,349**	**1,637,496**	**8.5**

Source: Energy Information Administration, Fuel Oil and Kerosine Sales 1990, October 1990.

Diesel Fuel Consumption by Month, 1990 (a)

(Add 000 gal.)

State	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Alabama	56,959	33,964	47,493	62,250	40,023	49,349	48,086	50,895	40,455	61,199	37,857	42,560	571,090
Alaska	15,067	4,628	4,559	2,382	9,209	1,225	3,589	—	18,225	17,652	7,594	95	84,225
Arizona	38,760	17,131	25,099	24,822	25,274	26,332	29,637	25,023	39,361	30,477	21,400	28,073	331,389
Arkansas	28,132	34,692	25,153	30,822	41,104	32,432	37,775	19,689	42,265	36,621	11,018	46,100	385,803
California	135,026	135,123	169,945	151,114	156,012	163,431	155,416	157,459	165,017	145,129	137,466	181,472	1,852,610
Colorado	12,508	15,231	14,175	15,423	17,138	15,851	18,540	22,383	17,576	20,312	19,799	17,105	206,041
Connecticut	15,764	14,957	27,368	16,205	17,666	26,413	16,372	18,720	26,051	18,897	16,622	24,204	239,239
Delaware	5,218	3,911	3,426	4,215	5,245	3,984	5,890	4,487	2,704	6,373	4,507	3,306	53,266
Dist. of Col.	1,974	1,783	1,925	1,918	1,840	1,732	2,121	2,087	1,744	1,993	1,859	1,844	22,820
Florida	72,897	74,945	86,733	79,975	71,218	79,678	69,563	58,805	79,706	59,573	76,086	82,389	891,568
Georgia	65,551	68,065	74,895	72,606	85,462	76,319	69,972	75,059	69,647	74,830	63,787	71,244	867,437
Hawaii	2,184	1,999	1,936	2,471	1,962	2,333	2,170	2,107	2,352	2,105	2,101	2,076	25,796
Idaho	14,211	10,682	5,465	11,003	14,492	4,840	14,161	12,915	7,300	13,727	8,676	10,764	128,236
Illinois	60,974	62,896	107,826	68,725	70,703	114,888	68,197	59,574	108,118	72,455	70,929	105,538	970,823
Indiana	38,150	56,791	66,302	65,014	65,567	67,758	69,148	70,334	24,353	77,580	69,159	34,541	704,697
Iowa	28,921	25,406	31,477	30,086	28,275	41,984	31,402	27,320	41,454	34,285	24,724	31,550	376,884
Kansas	21,988	24,296	20,777	30,624	24,938	21,789	37,151	21,018	32,268	29,768	13,746	35,705	314,068
Kentucky	43,960	47,307	24,703	47,207	46,601	39,450	42,006	47,056	26,542	31,681	44,998	48,142	489,653
Louisiana	20,986	16,711	43,698	51,911	34,806	40,435	28,454	27,784	41,912	32,012	25,860	10,030	374,599
Maine	12,762	10,780	3,602	14,479	14,192	2,453	13,449	3,813	16,003	4,719	6,066	9,063	111,381
Maryland	26,130	19,873	39,367	23,270	26,524	41,462	22,621	25,824	40,356	26,344	25,455	37,503	354,729
Massachusetts	24,719	15,924	21,865	25,384	22,820	25,093	18,195	20,134	25,109	23,191	17,766	27,240	267,440
Michigan	30,063	29,584	61,196	37,346	36,253	67,600	39,462	31,909	70,603	35,526	31,986	63,021	534,549
Minnesota	22,916	24,040	23,108	25,806	29,546	27,453	27,751	31,609	31,182	31,240	28,778	24,424	327,853
Mississippi	27,612	21,350	27,585	33,032	24,268	28,752	28,674	26,351	30,652	33,193	23,327	23,553	328,349
Missouri	45,790	48,404	44,400	38,635	42,556	56,770	47,579	57,571	60,682	58,144	41,094	52,676	594,301
Montana	12,085	7,660	8,449	11,786	8,105	11,528	15,515	5,076	12,934	12,808	9,453	9,947	125,346
Nebraska	13,534	15,425	19,711	17,546	20,746	20,646	20,040	18,815	19,112	20,159	16,745	18,472	220,951
Nevada	8,218	8,066	15,669	6,925	8,795	15,703	8,529	11,451	15,869	9,591	16,252	9,773	134,841
New Hampshire	6,843	3,121	3,701	6,008	2,983	4,191	6,187	2,141	4,114	5,965	3,853	3,152	52,259
New Jersey	30,354	33,506	36,810	33,980	42,012	32,778	34,454	36,953	32,217	37,708	47,320	24,394	422,486
New Mexico	42,525	12,949	—	43,003	11,205	1,583	30,835	24,607	805	43,946	10,559	621	222,638
New York	69,548	60,124	58,368	83,368	81,769	77,813	76,514	80,987	70,807	79,085	60,058	61,204	859,645
North Carolina	45,323	43,096	44,016	71,324	52,612	55,680	47,941	55,102	59,764	51,340	45,788	55,689	627,675
North Dakota	7,127	5,318	5,803	9,636	8,843	9,108	8,647	7,211	7,719	7,997	8,713	7,005	93,127
Ohio	91,730	88,646	88,539	78,361	68,486	83,590	81,233	70,487	76,337	90,996	78,011	68,451	964,867
Oklahoma	28,602	31,611	34,156	35,115	30,264	36,274	34,871	32,013	36,562	33,244	29,852	33,212	395,776
Oregon	28,246	28,246	28,246	28,246	28,246	28,246	28,246	28,246	28,246	28,246	28,246	28,246	338,952
Pennsylvania	76,671	72,969	75,983	80,312	84,142	77,140	79,221	85,131	71,947	86,219	78,279	63,614	931,628
Rhode Island	2,926	2,926	2,926	3,933	3,933	3,933	3,334	3,334	3,334	3,517	3,517	3,517	41,130
South Carolina	15,665	47,689	30,954	46,160	33,641	43,558	31,541	32,792	38,656	33,754	30,255	37,958	422,623
South Dakota	8,475	7,492	8,350	8,029	7,967	7,858	8,350	9,081	8,331	10,151	9,188	7,629	100,901
Tennessee	45,462	36,133	55,879	51,061	49,557	59,484	53,171	42,982	57,561	57,983	45,063	53,540	607,876
Texas	114,653	94,124	125,805	113,998	109,175	139,017	115,092	131,227	116,983	130,787	111,785	123,609	1,426,255
Utah	20,671	10,985	2,839	8,134	23,346	2,773	27,446	19,928	14,413	27,318	14,340	8,735	180,928
Vermont	3,120	3,676	5,203	1,678	5,815	2,859	491	5,599	2,844	3,790	3,355	3,507	41,937
Virginia	46,463	43,027	48,077	51,742	46,096	57,015	47,547	51,946	42,889	53,676	50,243	42,176	580,897
Washington	23,671	20,640	34,088	34,614	21,308	31,812	39,730	21,070	33,622	30,354	35,280	31,606	357,795
West Virginia	13,787	11,119	12,873	12,638	16,719	6,926	15,291	12,713	8,402	17,792	9,988	11,993	150,241
Wisconsin	36,344	35,581	30,140	37,604	40,661	33,227	39,582	41,465	33,808	42,764	40,947	31,573	443,696
Wyoming	11,909	14,592	14,229	14,795	15,655	15,951	14,770	15,650	8,612	17,777	17,408	15,376	176,724
U.S. Total	**1,673,174**	**1,559,194**	**1,794,892**	**1,856,721**	**1,775,775**	**1,918,499**	**1,815,959**	**1,745,933**	**1,867,525**	**1,915,993**	**1,637,158**	**1,769,217**	**21,330,040**

(a) Revised.

This table, prepared by the Federal Highway Administration, shows gross gallons of special fuels, but this is primarily diesel fuel. Included are small amounts of liquefied petroleum gases. In most cases, FHA says, the data reflect retail sales for the year.

Source: Federal Highway Administration, Monthly Motor Fuel Reported by States, December 1991, published March 1992.

Diesel Fuel Consumption by Month, 1991

(Add 000 gal.)

State	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Alabama	54,872	32,119	44,710	52,758	49,849	42,398	46,562	40,306	42,874	56,223	45,981	45,997	554,649
Alaska	2,525	—	2,921	30,365	—	6,253	11,979	7,084	6,820	5,575	4,842	2,210	80,574
Arizona	30,111	27,826	24,804	27,981	19,145	29,138	15,956	18,013	24,673	26,050	26,359	30,846	300,902
Arkansas	28,704	32,720	24,627	39,975	26,170	40,888	38,809	17,437	43,074	18,130	44,871	31,716	387,121
California	121,112	137,712	139,598	124,878	159,407	151,127	139,194	145,184	168,176	136,932	133,549	236,956	1,793,825
Colorado	18,752	15,661	16,116	17,667	18,486	17,821	18,573	19,897	19,551	19,593	19,900	16,505	218,522
Connecticut	11,479	13,218	19,161	11,318	11,395	12,113	11,645	15,576	12,509	14,397	9,796	12,021	154,628
Delaware	4,865	4,139	3,926	5,338	5,187	3,585	5,660	3,821	3,212	6,155	6,310	3,077	55,275
Dist. of Col.	1,905	1,718	1,674	1,899	2,000	1,779	2,013	1,966	1,628	1,925	1,757	1,883	22,147
Florida	67,072	70,249	71,913	71,891	71,377	73,255	56,830	65,706	55,301	65,233	71,959	70,499	811,285
Georgia	75,479	58,763	71,838	76,684	74,279	77,023	73,918	63,346	73,127	77,633	69,949	70,568	862,607
Hawaii	1,810	2,586	1,922	2,205	2,155	1,932	2,353	2,231	2,128	2,393	1,979	2,436	26,130
Idaho	10,554	15,448	6,715	8,499	12,429	4,668	13,137	13,012	7,810	12,437	8,408	14,500	127,617
Illinois	54,672	49,717	100,199	60,200	59,832	99,333	60,940	58,988	103,310	70,009	60,692	103,791	881,683
Indiana	84,086	93,717	46,246	44,629	75,924	57,119	80,855	49,137	42,185	81,752	77,681	47,208	780,539
Iowa	26,285	20,225	28,386	26,892	26,141	29,177	26,172	25,119	33,254	29,439	25,486	27,058	323,634
Kansas	18,156	21,450	15,591	29,709	20,290	23,517	22,200	17,218	30,093	13,698	28,448	38,944	279,314
Kentucky	36,607	20,395	19,030	40,150	45,093	30,552	27,956	40,395	24,714	52,642	25,905	55,338	418,777
Louisiana	10,479	19,751	42,184	28,173	25,456	43,306	32,812	32,503	42,513	29,912	26,643	37,208	370,940
Maine	8,653	4,503	10,926	11,991	1,574	11,854	11,610	8,427	8,978	11,511	9,400	7,316	106,743
Maryland	18,016	21,130	21,232	24,218	27,102	23,621	22,451	21,179	23,687	26,494	21,998	21,625	272,753
Massachusetts	15,689	19,168	19,501	15,519	28,543	22,281	16,971	15,807	23,860	25,336	19,590	24,211	246,476
Michigan	32,407	30,737	60,909	30,149	35,916	71,728	28,243	39,735	74,189	28,989	20,632	84,563	538,197
Minnesota	23,881	24,809	24,620	27,406	27,784	38,895	29,754	29,180	32,116	52,880	31,597	30,435	373,357
Mississippi	29,484	20,032	23,911	34,023	22,209	28,994	30,179	27,161	29,617	36,596	23,949	27,620	333,775
Missouri	50,609	28,367	53,715	42,082	52,460	47,993	46,340	50,878	62,796	56,141	45,457	54,609	591,447
Montana	11,260	7,526	6,534	9,693	6,111	15,540	5,864	10,496	11,926	8,476	12,735	10,016	116,177
Nebraska	18,110	15,309	16,714	20,360	19,237	18,310	19,905	18,490	18,374	21,774	19,451	16,782	222,816
Nevada	8,427	13,609	11,080	8,270	14,881	9,887	10,824	17,627	9,514	11,204	10,587	15,824	141,734
New Hampshire	5,966	2,694	3,926	6,083	2,347	3,769	5,878	2,352	4,663	5,258	2,252	3,708	48,896
New Jersey	29,909	36,777	26,070	32,814	45,655	29,077	32,276	35,905	25,703	31,380	39,717	25,528	390,811
New Mexico	42,280	12,389	1,365	44,740	4,907	5,286	50,958	4,519	134	51,437	1,982	2,044	222,041
New York (a)	—	—	—	—	—	—	—	—	—	—	—	—	—
North Carolina	46,182	37,785	53,462	50,008	49,780	53,802	47,911	53,062	55,815	43,487	57,026	113,325	661,645
North Dakota	7,895	4,094	7,177	7,808	8,796	8,656	8,056	9,229	9,196	9,080	9,534	7,454	96,975
Ohio	84,832	55,302	75,077	79,554	71,563	80,374	79,267	68,360	79,730	89,606	52,862	80,336	896,863
Oklahoma	31,395	25,856	28,561	33,030	35,117	32,159	32,950	29,964	33,783	30,908	32,246	31,664	377,633
Oregon (b)	—	—	—	—	—	—	—	—	—	—	—	—	—
Pennsylvania	78,166	70,159	72,807	79,597	81,327	81,592	77,534	81,804	80,193	85,645	75,922	80,625	945,371
Rhode Island	3,071	3,071	3,071	3,485	3,485	3,485	3,369	3,369	3,369	3,369*	3,369*	3,369*	39,882
South Carolina	26,065	28,304	37,231	25,538	31,585	28,148	29,644	29,502	29,502*	29,502*	29,502*	29,502*	354,025
South Dakota	8,619	7,737	8,568	7,858	8,185	8,294	8,846	8,668	8,676	9,863	8,689	8,037	102,040
Tennessee	50,983	37,276	52,705	56,268	43,876	60,526	51,372	37,870	54,036	57,412	44,403	47,373	594,100
Texas	117,805	118,330	144,955	138,820	147,674	135,732	130,044	126,038	133,212	121,317	114,787	133,981	1,562,695
Utah	17,883	11,310	11,445	13,239	17,882	9,628	26,089	10,640	10,087	24,953	10,646	8,398	172,200
Vermont	1,887	3,664	2,939	2,984	6,888	3,155	1,632	4,733	3,125	1,754	3,977	4,805	41,543
Virginia	42,783	40,199	52,412	45,942	40,857	45,062	44,366	49,107	41,206	48,996	43,153	41,327	535,410
Washington	36,549	22,526	27,386	37,552	25,461	19,955	26,408	35,393	39,258	30,305	31,445	31,060	363,298
West Virginia	13,920	9,455	11,753	12,174	11,552	14,688	12,769	8,878	16,781	15,417	10,470	10,042	147,899
Wisconsin	39,673	33,108	30,010	37,996	40,065	33,247	39,278	41,224	40,922	44,727	37,783	35,711	453,744
Wyoming	13,224	11,678	9,986	11,372	11,967	11,149	16,170	16,041	7,755	17,547	16,646	16,646*	160,181
U.S. Total	**1,575,148**	**1,394,318**	**1,591,609**	**1,651,784**	**1,629,401**	**1,701,871**	**1,634,522**	**1,532,577**	**1,709,155**	**1,751,492**	**1,532,322**	**1,856,697**	**19,560,896**

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* NPN estimates due to late reporting. (a) Data not available for 1992 due to nonreporting. (b) Oregon no longer collects diesel data.

This table, prepared by the Federal Highway Administration, shows gross gallons of special fuels, but this is primarily diesel fuel. Included are small amounts of liquefied petroleum gases. This is a preliminary report for 1991.

Source: Federal Highway Administration, Motor Fuel Reported by States 1991, and some estimates by NPN.

U.S. Retail Gasoline Prices, 1991 (a)

By Population Size and Region

Population Sizes and Regions	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average Per Day
All Types													
U.S. City Average	**$1.304**	**$1.198**	**$1.138**	**$1.159**	**$1.209**	**$1.214**	**$1.185**	**$1.196**	**$1.199**	**$1.180**	**$1.193**	**$1.182**	**$1.200**
Region Area and Size													
Northeast Urban	1.373	1.253	1.211	1.233	1.269	1.280	1.271	1.268	1.289	1.271	1.271	1.269	1.270
Size A - More than 1,200,000	1.369	1.251	1.210	1.234	1.274	1.284	1.276	1.271	1.290	1.274	1.272	1.272	1.270
Size B - 500,000 to 1,200,000	1.387	1.266	1.226	1.252	1.281	1.297	1.279	1.276	1.295	1.271	1.275	1.266	1.280
Size C - 50,000 to 500,000	1.341	1.207	1.155	1.168	1.205	1.216	1.192	1.196	1.250	1.228	1.247	1.242	1.220
North Central Urban	1.252	1.176	1.128	1.175	1.221	1.217	1.175	1.202	1.169	1.143	1.171	1.150	1.180
Size A - More than 1,200,000	1.278	1.193	1.140	1.187	1.234	1.234	1.184	1.229	1.186	1.161	1.194	1.175	1.190
Size B - 360,000 to 1,200,000	1.183	1.154	1.086	1.127	1.187	1.214	1.177	1.172	1.176	1.129	1.142	1.126	1.160
Size C - 50,000 to 360,000	1.221	1.135	1.124	1.179	1.216	1.204	1.169	1.164	1.115	1.109	1.139	1.117	1.160
Size D - Non-Metro. (less than 50,000)	1.238	1.161	1.122	1.166	1.204	1.161	1.136	1.170	1.138	1.118	1.143	1.110	1.160
South Urban	1.297	1.188	1.132	1.144	1.198	1.204	1.176	1.182	1.184	1.170	1.181	1.171	1.190
Size A - More than 1,200,000	1.297	1.185	1.116	1.110	1.173	1.186	1.156	1.161	1.177	1.166	1.174	1.174	1.170
Size B - 450,000 to 1,200,000	1.309	1.196	1.149	1.161	1.214	1.223	1.200	1.210	1.204	1.184	1.196	1.184	1.200
Size C - 50,000 to 450,000	1.266	1.172	1.123	1.165	1.204	1.199	1.166	1.172	1.167	1.155	1.175	1.151	1.180
Size D - Non-Metro. (less than 50,000)	1.339	1.216	1.176	1.186	1.236	1.227	1.208	1.209	1.202	1.181	1.179	1.171	1.260
West Urban	1.312	1.189	1.088	1.090	1.153	1.161	1.129	1.143	1.178	1.159	1.162	1.155	1.160
Size A - More than 1,250,000	1.308	1.179	1.075	1.091	1.168	1.183	1.145	1.157	1.191	1.173	1.174	1.174	1.170
Size C - 50,000 to 330,000	1.261	1.172	1.076	1.078	1.120	1.154	1.129	1.160	1.195	1.161	1.192	1.130	1.150
Unleaded Regular													
U.S. City Average	**$1.247**	**$1.143**	**$1.082**	**$1.104**	**$1.156**	**$1.160**	**$1.127**	**$1.140**	**$1.143**	**$1.122**	**$1.134**	**$1.123**	**$1.140**
Region Area and Size													
Northeast Urban	1.299	1.179	1.136	1.159	1.196	1.210	1.193	1.191	1.213	1.191	1.192	1.191	1.200
Size A - More than 1,200,000	1.288	1.172	1.126	1.152	1.192	1.206	1.189	1.187	1.205	1.184	1.184	1.186	1.190
Size B - 500,000 to 1,200,000	1.343	1.228	1.188	1.212	1.235	1.250	1.232	1.227	1.246	1.220	1.224	1.215	1.240
Size C - 50,000 to 500,000	1.286	1.147	1.093	1.106	1.152	1.160	1.131	1.137	1.194	1.170	1.176	1.170	1.600
North Central Urban	1.211	1.136	1.088	1.135	1.182	1.178	1.136	1.163	1.132	1.105	1.134	1.112	1.140
Size A - More than 1,200,000	1.232	1.145	1.097	1.142	1.190	1.190	1.142	1.186	1.149	1.118	1.152	1.133	1.160
Size B - 360,000 to 1,200,000	1.143	1.116	1.043	1.092	1.152	1.177	1.138	1.133	1.139	1.094	1.105	1.092	1.120
Size C - 50,000 to 360,000	1.181	1.102	1.080	1.135	1.170	1.160	1.128	1.121	1.072	1.070	1.102	1.075	1.120
Size D - Non-Metro. (less than 50,000)	1.216	1.146	1.105	1.151	1.189	1.145	1.117	1.153	1.125	1.102	1.126	1.097	1.140
South Urban	1.227	1.123	1.062	1.074	1.130	1.135	1.105	1.113	1.114	1.099	1.110	1.110	1.120
Size A - More than 1,200,000	1.229	1.115	1.042	1.036	1.105	1.119	1.086	1.091	1.104	1.094	1.099	1.100	1.100
Size B - 450,000 to 1,200,000	1.239	1.127	1.075	1.085	1.138	1.149	1.123	1.131	1.131	1.107	1.118	1.107	1.130
Size C - 50,000 to 450,000	1.203	1.115	1.062	1.103	1.144	1.135	1.102	1.112	1.104	1.090	1.112	1.088	1.110
Size D - Non-Metro. (less than 50,000)	1.264	1.171	1.122	1.122	1.173	1.169	1.145	1.153	1.145	1.124	1.118	1.110	1.150
West Urban	1.277	1.150	1.049	1.052	1.117	1.123	1.088	1.103	1.140	1.118	1.121	1.112	1.120
Size A - More than 1,250,000	1.271	1.133	1.030	1.047	1.131	1.145	1.100	1.114	1.151	1.128	1.130	1.127	1.130
Size C - 50,000 to 330,000	1.226	1.142	1.054	1.059	1.103	1.136	1.111	1.134	1.173	1.136	1.166	1.110	1.130
Unleaded Premium													
U.S. City Average	**$1.431**	**$1.321**	**$1.264**	**$1.281**	**$1.331**	**$1.338**	**$1.313**	**$1.318**	**$1.324**	**$1.307**	**$1.318**	**$1.309**	**$1.320**
Region Area and Size													
Northeast Urban	1.495	1.376	1.335	1.356	1.394	1.401	1.403	1.400	1.419	1.402	1.403	1.400	1.370
Size A - More than 1,200,000	1.499	1.382	1.341	1.362	1.402	1.407	1.412	1.409	1.425	1.409	1.408	1.405	1.410
Size B - 500,000 to 1,200,000	1.489	1.363	1.322	1.355	1.396	1.412	1.397	1.396	1.413	1.393	1.397	1.391	1.390
Size C - 50,000 to 500,000	1.465	1.341	1.297	1.308	1.332	1.339	1.326	1.327	1.373	1.354	1.374	1.369	1.350
North Central Urban	1.385	1.301	1.256	1.294	1.343	1.346	1.294	1.319	1.291	1.271	1.295	1.288	1.310
Size A - More than 1,200,000	1.414	1.332	1.276	1.312	1.362	1.368	1.310	1.354	1.320	1.298	1.327	1.313	1.330
Size B - 360,000 to 1,200,000	1.310	1.283	1.219	1.254	1.314	1.341	1.304	1.299	1.306	1.257	1.271	1.259	1.280
Size C - 50,000 to 360,000	1.339	1.211	1.237	1.279	1.321	1.307	1.261	1.254	1.216	1.206	1.123	1.110	1.260
Size D - Non-Metro. (less than 50,000)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
South Urban	1.410	1.298	1.242	1.252	1.305	1.314	1.286	1.285	1.291	1.275	1.286	1.278	1.290
Size A - More than 1,200,000	1.409	1.302	1.234	1.226	1.282	1.295	1.269	1.257	1.283	1.272	1.279	1.279	1.280
Size B - 450,000 to 1,200,000	1.417	1.305	1.260	1.268	1.327	1.339	1.314	1.323	1.316	1.291	1.304	1.297	1.310
Size C - 50,000 to 450,000	1.393	1.289	1.230	1.274	1.315	1.316	1.280	1.286	1.282	1.266	1.285	1.260	1.290
Size D - Non-Metro. (less than 50,000)	1.433	1.279	1.241	1.259	1.312	1.300	1.283	1.282	1.277	1.258	1.267	1.265	1.290
West Urban	1.444	1.326	1.228	1.229	1.288	1.297	1.270	1.283	1.312	1.297	1.297	1.289	1.300
Size A - More than 1,250,000	1.434	1.312	1.213	1.224	1.293	1.306	1.277	1.292	1.319	1.305	1.305	1.297	1.300
Size C - 50,000 to 330,000	1.381	1.305	1.281	1.192	1.224	1.259	1.223	1.259	1.289	1.261	1.292	1.243	1.260

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a) These prices are in $/gal., include federal and state taxes, and are representative full-service, self-service and mini-service.
The related local areas and population groups are Standard Metropolitan Statistical Areas as defined by the Bureau of Labor Statistics and the U.S. Census Bureau.

Source: U.S. Dept. of Labor, Bureau of Labor Statistics.

Retail Gasoline Prices For Selected Areas, 1989–1991 (a)

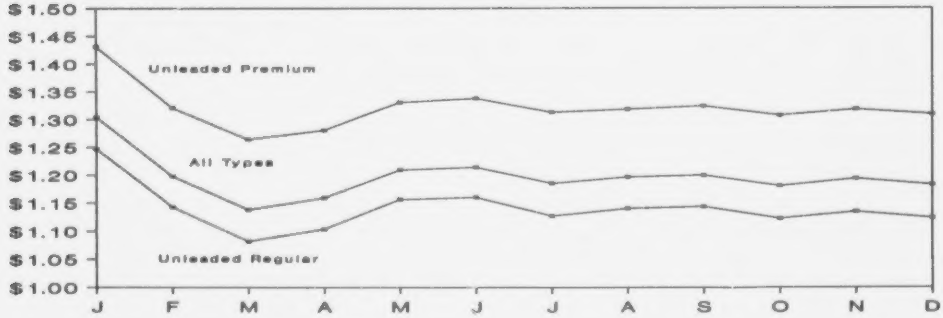
	1991				1990				1989			
Standard Metropolitan Statistical Areas	Lead Reg. (b)	Unld. Reg.	Unld. Prem.	All Types	Lead Reg.	Unld. Reg.	Unld. Prem.	All Types	Lead Reg.	Unld. Reg.	Unld. Prem.	All Types
U.S. City Average	N/A	$1.133	$1.307	$1.198	$0.960	$1.015	$1.200	$1.059	$0.960	$1.015	$1.200	$1.059
Chicago-Gary-Lake County, IL, IN, WI	N/A	1.247	1.417	1.297	N/A	1.278	1.471	1.334	1.010	1.107	1.308	1.143
Los Angeles-Anaheim-Riverside, CA	N/A	1.074	1.255	1.144	1.123	1.140	1.333	1.181	0.696	0.986	1.188	1.010
N.Y.-No. N.J.-Long Island, NY, NJ, CT	N/A	1.189	1.412	1.284	N/A	1.157	1.386	1.250	1.004	1.039	1.243	1.114
Phil.-Wilmington-Trenton, PA, NJ, DE, MD	N/A	1.147	1.360	1.238	N/A	1.056	1.368	1.245	0.942	0.979	1.209	1.068
San Francisco-Oakland-San Jose, CA	N/A	1.184	1.301	1.200	1.129	1.240	1.350	1.240	0.976	1.078	1.188	1.082
Baltimore, MD	N/A	1.112	1.303	1.198	N/A	1.158	1.336	1.238	N/A	1.041	1.220	1.102
Boston-Lawrence-Salem, MA, NH	N/A	1.238	1.434	1.302	N/A	1.186	1.387	1.255	0.972	1.027	1.216	1.078
Cleveland-Akron-Lorain, OH	N/A	1.035	1.073	1.045	N/A	1.179	1.391	1.231	N/A	1.018	1.223	1.068
Miami-Fort Lauderdale, FL	N/A	1.091	1.268	1.165	N/A	1.099	1.275	1.174	N/A	0.995	1.136	1.055
St. Louis-East St. Louis, MO, IL	N/A	1.033	1.234	1.096	0.978	1.084	1.327	1.132	0.945	0.958	1.195	0.988
Washington, DC, MD, VA	N/A	1.181	1.439	1.368	N/A	1.250	1.509	1.328	N/A	1.108	1.370	1.185
Dallas-Fort Worth, TX	N/A	1.119	1.244	1.167	N/A	1.093	1.252	1.134	0.955	0.936	1.068	0.963
Detroit-Ann Arbor, MI	N/A	1.109	1.250	1.132	N/A	1.156	1.301	1.173	0.948	1.026	1.153	1.033
Houston-Galveston-Brazoria, TX	N/A	1.116	1.299	1.168	N/A	1.119	1.315	1.176	0.868	0.958	1.138	1.002
Pittsburgh-Beaver Valley, PA	N/A	1.123	1.309	1.159	N/A	1.119	1.306	1.148	0.970	0.966	1.152	0.998

(a) These prices are in $/gal., include federal and state taxes, and are representative full-service and mini-service. The related located areas and population groups are Standard Metropolitan Statistical Areas as defined by the Bureau of Labor Statistics and the U.S. Census Bureau.

(b) Leaded regular prices are no longer collected by the Bureau of Labor Statistics.

Source: U.S. Dept. of Labor, Bureau of Labor Statistics.

U.S. Retail Gasoline Prices, 1991



Wholesale Price Trends, 1982 — 1991

	Refinery Products in Eight Refinery Markets Representing Total U.S.						Crude	
					Average Four Products			
Year	Motor Gasoline ¢/gal.	Kerosine ¢/gal.	Light Fuel ¢/gal.	Heavy Fuel ¢/gal.	¢/gal.	$/bbl.	Eight Eight Areas $/bbl.	Products vs. Crude $/bbl.
1991	64.24	64.79	59.81	40.94	56.61	23.78	N/A	N/A
1990	72.13	73.37	67.82	50.99	65.20	27.38	20.03	N/A
1989	59.15	60.78	56.02	40.87	43.76	18.38	15.85	2.53
1988	50.31	50.72	46.10	38.72	46.22	19.41	12.58	6.83
1987	53.22	56.75	52.25	45.36	50.89	21.37	15.41	5.96
1986	47.74	49.92	44.91	36.23	43.97	18.47	12.51	5.96
1985	81.11	81.69	76.66	56.41	73.06	30.69	24.09	6.60
1984	81.14	84.75	79.62	59.14	74.49	31.29	25.88	5.41
1983	86.97	85.12	80.05	57.30	76.94	32.31	26.19	6.12
1982	94.56	97.18	91.95	57.80	83.27	34.97	28.52	6.45
1981	101.63	101.03	97.20	61.17	88.75	37.28	31.77	5.51

Product figures reflect trends in prices but not the actual sales realization for producers or refiners.

Source: Independent Petroleum Assn. of America.

Retail Gasoline Prices by Month and Grade (a)

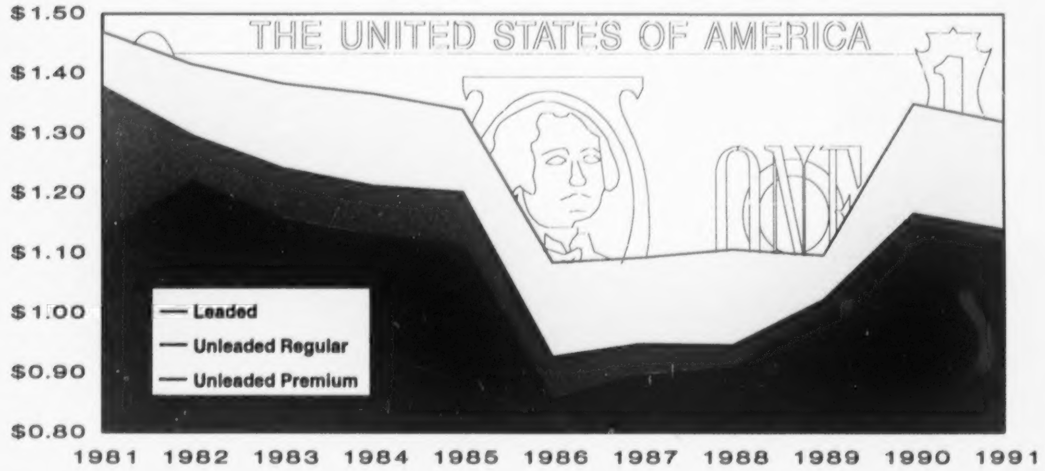
All Types

Selected Local Areas	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Avg. per Year
Chicago-Gary-Lake County, IL, IN, WI	$1.398	$1.309	$1.236	$1.247	$1.317	$1.332	$1.289	$1.318	$1.302	$1.258	$1.283	$1.271	**$1.297**
Los Angeles-Anaheim-Riverside, CA	1.260	1.108	1.012	1.066	1.170	1.173	1.126	1.143	1.177	1.164	1.157	1.169	**1.144**
N.Y.-Northern N.J.-Long Island, NY, NJ, CT	1.375	1.262	1.224	1.241	1.281	1.288	1.286	1.288	1.305	1.286	1.289	1.287	**1.284**
Phil.-Wilmington-Trenton, PA, NJ, DE, MD	1.363	1.233	1.188	1.206	1.234	1.233	1.217	1.208	1.247	1.241	1.241	1.243	**1.238**
San Francisco-Oakland-San Jose, CA	1.368	1.245	1.155	1.097	1.171	1.212	1.179	1.187	1.213	1.193	1.187	1.191	**1.200**
Baltimore, MD	1.340	1.220	1.134	1.136	1.180	1.193	1.167	1.179	1.203	1.193	1.216	1.215	**1.198**
Boston-Lawrence-Salem, MA, NH	1.379	1.252	1.208	1.259	1.318	1.350	1.327	1.316	1.318	1.302	1.297	1.300	**1.302**
Cleveland-Akron-Lorain, OH	1.070	1.031	0.984	0.994	1.052	1.092	1.061	1.065	1.079	1.036	1.049	1.024	**1.045**
Miami-Ft. Laurderdale, FL	1.287	1.182	1.113	1.119	1.163	1.169	1.142	1.162	1.181	1.159	1.154	1.149	**1.165**
St. Louis-East St. Louis, MO, IL	1.208	1.106	1.042	1.087	1.120	1.097	1.050	1.118	1.096	1.064	1.090	1.075	**1.096**
Washington, DC, MD, VA	1.438	1.336	1.258	1.250	1.293	1.303	1.284	1.198	1.216	1.203	1.217	1.222	**1.368**
Dallas-Fort Worth, TX	1.299	1.182	1.110	1.084	1.162	1.180	1.145	1.156	1.158	1.171	1.177	1.176	**1.167**
Detroit-Ann Arbor, MI	1.213	1.104	1.093	1.141	1.196	1.166	1.127	1.157	1.096	1.074	1.112	1.104	**1.132**
Houston-Galveston-Brazoria, TX	1.315	1.202	1.081	1.041	1.131	1.181	1.157	1.154	1.183	1.199	1.186	1.191	**1.168**
Pittsburgh-Beaver Valley, PA	1.244	1.125	1.087	1.105	1.137	1.163	1.152	1.139	1.194	1.163	1.205	1.199	**1.159**
Unleaded Regular													
Chicago-Gary-Lake County, IL, IN, WI	1.346	1.258	1.186	1.195	1.265	1.284	1.239	1.269	1.256	1.207	1.232	1.223	**1.247**
Los Angeles-Anaheim-Riverside, CA	1.202	1.030	0.939	0.997	1.110	1.107	1.051	1.073	1.109	1.090	1.084	1.095	**1.074**
N.Y.-Northern N.J.-Long Island, NY, NJ, CT	1.285	1.174	1.127	1.147	1.189	1.201	1.187	1.191	1.205	1.184	1.187	1.188	**1.189**
Phil.-Wilmington-Trenton, PA, NJ, DE, MD	1.275	1.145	1.098	1.118	1.147	1.147	1.124	1.116	1.156	1.146	1.148	1.149	**1.147**
San Francisco-Oakland-San Jose, CA	1.132	1.246	1.151	1.092	1.178	1.228	1.190	1.189	1.225	1.202	1.193	1.187	**1.184**
Baltimore, MD	1.255	1.130	1.045	1.046	1.097	1.116	1.086	1.096	1.118	1.103	1.130	1.126	**1.112**
Boston-Lawrence-Salem, MA, NH	1.315	1.190	1.147	1.197	1.253	1.286	1.257	1.251	1.252	1.230	1.255	1.228	**1.238**
Cleveland-Akron-Lorain, OH	1.055	1.017	0.972	0.985	1.042	1.085	1.050	1.058	1.071	1.027	1.044	1.017	**1.035**
Miami-Ft. Laurderdale, FL	1.215	1.113	1.040	1.045	1.087	1.092	1.067	1.088	1.104	1.086	1.079	1.074	**1.091**
St. Louis-East St. Louis, MO, IL	1.148	1.042	0.982	1.028	1.057	1.035	0.988	1.057	1.029	0.998	1.029	1.011	**1.033**
Washington, DC, MD, VA	1.344	1.236	1.151	1.144	1.199	1.208	1.186	1.118	1.134	1.122	1.135	1.137	**1.181**
Dallas-Fort Worth, TX	1.244	1.132	1.062	1.035	1.119	1.134	1.098	1.109	1.111	1.123	1.130	1.128	**1.119**
Detroit-Ann Arbor, MI	1.197	1.092	1.079	1.126	1.182	1.152	1.114	1.142	1.066	1.028	1.067	1.065	**1.109**
Houston-Galveston-Brazoria, TX	1.260	1.145	1.021	0.990	1.087	1.131	1.103	1.104	1.131	1.146	1.135	1.137	**1.116**
Pittsburgh-Beaver Valley, PA	1.213	1.096	1.058	1.078	1.108	1.136	1.122	1.109	1.163	1.131	1.134	1.126	**1.123**
Unleaded Premium													
Chicago-Gary-Lake County, IL, IN, WI	1.514	1.433	1.360	1.372	1.440	1.451	1.406	1.435	1.417	1.381	1.403	1.390	**1.417**
Los Angeles-Anaheim-Riverside, CA	1.364	1.230	1.122	1.179	1.280	1.273	1.236	1.261	1.292	1.278	1.274	1.270	**1.255**
N.Y.-Northern N.J.-Long Island, NY, NJ, CT	1.504	1.388	1.349	1.365	1.404	1.401	1.419	1.420	1.438	1.415	1.423	1.415	**1.412**
Phil.-Wilmington-Trenton, PA, NJ, DE, MD	1.467	1.361	1.312	1.328	1.351	1.358	1.347	1.338	1.366	1.365	1.362	1.365	**1.360**
San Francisco-Oakland-San Jose, CA	1.460	1.356	1.267	1.203	1.264	1.307	1.283	1.275	1.311	1.301	1.294	1.287	**1.301**
Baltimore, MD	1.447	1.329	1.242	1.245	1.279	1.292	1.269	1.280	1.311	1.303	1.321	1.321	**1.303**
Boston-Lawrence-Salem, MA, NH	1.522	1.382	1.343	1.383	1.446	1.474	1.456	1.446	1.447	1.439	1.432	1.436	**1.434**
Cleveland-Akron-Lorain, OH	1.115	1.071	1.018	1.071	1.080	1.113	1.093	1.088	1.103	1.064	1.066	1.047	**1.073**
Miami-Ft. Laurderdale, FL	1.387	1.279	1.214	1.222	1.269	1.275	1.245	1.264	1.288	1.261	1.259	1.253	**1.268**
St. Louis-East St. Louis, MO, IL	1.337	1.250	1.175	1.215	1.261	1.238	1.189	1.252	1.241	1.204	1.222	1.218	**1.234**
Washington, DC, MD, VA	1.638	1.547	1.484	1.475	1.492	1.503	1.492	1.315	1.332	1.319	1.332	1.339	**1.439**
Dallas-Fort Worth, TX	1.384	1.265	1.187	1.168	1.236	1.258	1.223	1.232	1.230	1.245	1.251	1.252	**1.244**
Detroit-Ann Arbor, MI	1.335	1.199	1.194	1.256	1.300	1.267	1.223	1.265	1.242	1.218	1.246	1.255	**1.250**
Houston-Galveston-Brazoria, TX	1.440	1.324	1.214	1.162	1.271	1.310	1.292	1.281	1.317	1.336	1.316	1.326	**1.299**
Pittsburgh-Beaver Valley, PA	1.406	1.273	1.237	1.248	1.282	1.306	1.304	1.293	1.351	1.324	1.350	1.338	**1.309**

(a) These prices include federal and state taxes and are representative of full-service, self-service and mini-service. The related local areas and population groups are Standard Metropolitan Statistical Areas as defined by the Bureau of Labor Statistics and the U.S. Census Bureau.
(b) Leaded regular prices are no longer collected by the Bureau of Labor Statistics.
Source: U.S. Dept. of Labor, Bureau of Labor Statistics.

Average Gasoline Pump Prices Dip Slightly in 1991

($ per gal., including and reflecting full-service, etc.)



Source: Dept. of Labor, Bureau of Labor Statistics; graph by NPN.

Gasoline Prices by Grades and Months

(U.S. retail averages in ¢ per gal., including taxes and types of service)

1991

Month	Leaded Regular	Unleaded Regular	Unleaded Premium	Avg. for All Types
January	124.6	124.7	143.1	130.4
February	113.7	114.3	132.1	119.8
March	104.7	108.2	124.6	113.8
April	106.2	110.4	128.1	115.9
May	*	115.6	133.1	120.9
June	*	116.0	133.8	121.4
July	*	112.7	131.8	118.5
August	*	114.0	131.8	119.6
September	*	114.3	132.4	119.9
October	*	112.2	130.7	118.0
November	*	113.4	131.8	119.3
December	*	112.3	130.9	118.2
Average	**112.3**	**114.0**	**132.0**	**119.6**

*Data no longer collected or available.

1990

Month	Leaded Regular	Unleaded Regular	Unleaded Premium	Avg. For All Types
January	100.6	104.2	123.0	109.0
February	101.1	103.7	122.7	108.6
March	99.9	102.3	121.8	107.6
April	102.7	104.4	123.3	109.6
May	104.4	106.1	124.8	111.4
June	107.7	108.8	127.1	114.0
July	108.9	108.4	127.2	113.9
August	119.8	119.0	136.9	124.6
September	129.7	129.4	146.7	134.7
October	135.4	137.8	155.4	143.1
November	135.1	137.7	155.9	143.2
December	135.2	138.7	155.2	142.1
Average	**115.0**	**116.7**	**135.0**	**121.6**

1989

Month	Leaded Regular	Unleaded Regular	Unleaded Premium	Avg. For All Types
January	87.6	91.8	109.1	94.4
February	88.6	92.6	110.0	95.5
March	90.7	94.0	111.5	97.4
April	104.7	106.5	122.1	109.8
May	109.8	111.9	127.8	115.2
June	109.3	111.4	127.8	115.0
July	107.5	109.2	126.4	113.2
August	103.4	105.7	123.3	109.6
September	100.7	102.9	121.3	107.3
October	100.1	102.7	120.9	107.1
November	97.5	99.9	118.7	104.6
December	96.1	98.0	117.8	103.0
Average	**99.7**	**102.2**	**119.7**	**106.0**

Gasoline Price Averages, 1981 – 1988

Year	Leaded Regular	Unleaded Regular	Unleaded Premium	Avg. For All Types
1988	90.0	94.6	110.7	96.4
1987	89.7	94.8	109.3	95.7
1986	85.7	92.7	108.5	93.1
1985	111.5	120.2	134.0	119.6
1984	112.9	121.2	136.6 (a)	119.8
1983	115.7	124.1	138.3 (a)	122.5
1982	122.2	129.6	141.5 (a)	128.1
1981 (b)	131.1	137.8	147.0 (a)	135.3

(a) In Jan. 1984, this series was switched from leaded premium to reflect changing market conditions.

(b) Data for 1981 and earlier are for leaded premium. Beginning September 1981, the Bureau of Labor Statistics changed the weights used in the calculation of average motor gasoline.

Source: Energy Information Administration, Monthly Energy Review, January 1992, and Dept. of Labor, Bureau of Labor Statistics.

Supplier Gasoline Prices, by Type of Seller

(¢ per gal., excluding taxes)

Year/ Month	Major Refiners			Other Refiners			Average		
	Sales to End-Users			Sales to End-Users			Sales to End-Users		
	Through Company Outlets	Through Other End-Users	Sales for Resale	Through Company Outlets	Through Other End-Users	Sales for Resale	Through Company Outlets	Through Other End-Users	Sales for Resale
1991									
January	89.7	78.0	77.3	88.1	78.2	72.0	89.3	78.0	76.1
February	80.5	70.3	69.0	78.5	69.2	64.4	80.0	70.0	68.0
March	74.8	68.6	67.6	72.9	67.7	65.8	74.3	68.4	67.2
April	77.7	72.3	71.0	76.4	70.6	69.5	77.3	71.9	70.7
May	82.9	75.8	75.0	81.0	75.4	71.2	82.4	75.7	74.2
June	83.0	71.9	71.7	80.7	72.1	66.2	82.4	72.0	70.5
July	80.0	69.9	69.9	77.8	70.7	66.0	79.4	70.1	69.1
August	82.1	73.5	73.5	79.6	74.4	69.5	81.5	73.7	72.7
September	81.2	70.8	70.4	78.9	69.9	64.6	80.6	70.6	69.1
October	79.1	69.1	69.7	77.3	70.0	65.3	78.6	69.3	68.8
November	79.7	70.2	71.0	78.9	69.8	65.8	79.5	70.1	69.9
December	76.9	63.5	64.4	75.1	63.4	57.2	76.5	63.5	62.9
1991 Avg.	**80.6**	**71.3**	**70.9**	**78.7**	**70.9**	**66.6**	**80.1**	**71.2**	**69.9**
1990									
January	80.4	69.8	70.6	75.6	68.3	64.2	79.2	69.5	69.2
February	77.9	68.1	68.5	74.3	67.4	62.4	77.0	68.0	67.2
March	76.6	66.6	67.6	72.4	65.4	62.0	75.6	66.3	66.3
April	79.1	71.0	70.9	75.8	69.6	65.8	78.3	70.8	69.7
May	81.4	73.7	73.9	78.1	73.7	68.8	80.6	73.7	72.7
June	82.6	74.2	73.8	79.7	77.0	67.6	81.9	74.8	72.3
July	82.1	71.1	72.3	78.9	72.3	64.9	81.3	71.3	70.6
August	92.7	85.0	86.1	92.8	88.4	83.7	92.7	85.6	85.5
September	101.4	96.7	95.3	101.5	98.4	93.4	101.4	97.1	94.9
October	109.6	100.4	100.1	107.7	101.1	93.8	109.1	100.6	98.6
November	108.4	97.1	97.3	105.8	95.7	89.4	107.7	96.8	95.4
December	99.7	82.8	82.4	97.5	82.2	72.8	99.2	82.7	80.2
1990 Avg.	**89.4**	**79.6**	**80.0**	**87.0**	**80.0**	**74.0**	**88.8**	**79.7**	**78.6**
1989 Avg.	**77.1**	**66.2**	**66.8**	**73.5**	**63.3**	**60.8**	**76.3**	**65.2**	**65.4**
1988 Avg.	**69.2**	**57.8**	**59.3**	**65.2**	**54.1**	**52.7**	**68.1**	**56.4**	**58.9**
1987 Avg.	**68.7**	**59.2**	**60.1**	**65.3**	**55.2**	**55.0**	**67.8**	**57.5**	**58.9**
1986 Avg.	**64.1**	**57.6**	**54.4**	**61.2**	**52.7**	**48.7**	**63.2**	**55.8**	**53.1**

Source: Energy Information Administration, Petroleum Marketing Monthly, Table 13, March 1992.

Supplier Product Prices for Resale

(¢ per gal., excluding taxes)

Year/ Month	Motor Gasoline	Aviation Gasoline	Kerosine-Type Jet Fuel	Propane (Consumer Grade)	Kerosine	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel (a)	Residual Fuel Oil
							No. 2 Fuel Oil	No. 2 Diesel Oil	Average		
1991											
January	76.1	110.8	82.2	42.2	87.9	85.7	76.3	75.5	76.0	71.6	49.7
February	68.0	104.1	73.8	31.6	75.7	74.7	67.8	67.4	67.6	60.1	33.4
March	67.2	97.4	62.2	31.3	66.0	66.0	59.6	57.7	58.6	52.9	28.2
April	70.7	97.8	58.8	31.6	62.8	65.4	57.2	57.4	57.3	50.3	28.7
May	74.2	100.3	60.8	32.0	60.7	63.3	56.0	57.2	56.7	47.1	30.3
June	70.5	99.5	58.8	29.3	58.8	58.9	54.0	54.5	54.3	45.3	29.7
July	69.1	98.9	59.4	27.6	63.0	62.4	56.7	57.1	56.9	46.8	29.0
August	72.7	100.2	63.3	29.6	66.9	67.8	60.6	61.8	61.3	49.5	27.9
September	69.1	99.9	65.9	34.9	68.7	69.6	62.1	62.9	62.5	46.6	27.9
October	68.8	98.8	67.0	40.2	73.5	73.6	66.3	65.6	65.9	50.8	29.5
November	69.9	99.5	68.2	43.0	74.6	75.6	66.6	66.5	66.6	54.4	30.7
December	62.9	97.3	60.1	37.7	62.6	64.7	55.8	55.6	55.7	53.4	28.9
1991 Avg.	**69.9**	**100.1**	**65.0**	**34.8**	**72.0**	**73.0**	**62.2**	**61.5**	**61.8**	**55.6**	**31.2**
1990											
January	69.2	96.8	76.6	54.4	87.1	78.6	73.8	69.3	71.7	65.3	48.2
February	67.2	95.0	66.7	34.1	67.9	65.7	57.8	57.1	57.4	53.6	38.1
March	66.3	93.8	61.6	27.1	64.8	67.1	57.9	57.6	57.8	51.6	34.8
April	69.7	96.4	59.5	25.2	62.4	65.9	57.4	57.6	57.5	50.6	33.4
May	72.7	97.4	57.1	24.0	59.2	62.3	54.5	55.4	55.0	43.5	30.5
June	72.3	99.5	54.6	24.9	53.9	55.2	49.4	50.5	50.0	44.0	27.1
July	70.6	100.2	55.5	27.3	57.1	57.6	51.9	52.0	51.9	43.4	29.1
August	85.5	110.4	71.4	36.3	80.7	81.4	72.1	73.7	73.0	63.3	44.5
September	94.9	122.2	92.9	43.5	100.4	96.0	85.3	87.2	86.3	72.0	50.9
October	98.6	127.9	114.7	53.5	115.7	111.7	95.0	99.4	97.3	75.9	57.7
November	95.4	126.2	107.0	50.5	106.6	106.9	90.6	93.6	92.1	80.1	55.6
December	80.2	116.1	90.1	44.6	92.6	89.4	80.9	79.8	80.4	72.1	48.6
1990 Avg.	**78.6**	**106.3**	**77.3**	**38.6**	**83.9**	**83.8**	**69.7**	**69.4**	**69.5**	**59.0**	**41.3**
1989 Avg.	**65.4**	**95.0**	**58.3**	**24.7**	**66.9**	**66.8**	**56.5**	**56.7**	**56.6**	**48.0**	**36.0**
1988 Avg.	**57.7**	**85.0**	**49.5**	**24.0**	**54.9**	**54.9**	**47.3**	**47.3**	**47.3**	**42.5**	**30.0**
1987 Avg.	**58.9**	**85.9**	**53.8**	**25.2**	**59.2**	**59.9**	**52.7**	**53.4**	**53.1**	**46.2**	**38.5**
1986 Avg.	**53.1**	**91.2**	**49.5**	**29.0**	**60.6**	**57.9**	**48.6**	**45.2**	**47.0**	**40.9**	**30.5**
1985 Avg.	**83.5**	**113.0**	**79.4**	**39.8**	**87.4**	**86.3**	**77.6**	**77.2**	**77.4**	**67.2**	**57.7**

Source: Energy Information Administration, Petroleum Marketing Monthly, Table 4, March 1992.

Supplier Gasoline Prices, by Grade and Type

(¢ per gal., excluding taxes)

Year/ Month	Leaded Regular			Unleaded Regular			Unleaded Midgrade			Premium		
	Sales to End-Users			Sales to End-Users			Sales to End-Users			Sales to End-Users		
	Through Company Outlets	Other End-Users	Sales for Resale	Through Company Outlets	Other End-Users	Sales for Resale	Through Company Outlets	Other End-Users	Sales for Resale	Through Company Outlets	Other End-Users	Sales for Resale
1991												
January	86.6	75.7	75.1	85.9	76.0	73.5	93.0	81.1	79.0	100.5	86.2	85.4
February	76.2	66.6	65.3	76.6	68.3	65.4	83.7	73.0	71.2	91.0	77.6	77.3
March	66.1	63.4	59.2	71.0	66.8	65.1	78.5	70.4	70.7	85.0	75.2	75.4
April	66.5	67.3	62.4	73.9	70.3	68.6	82.2	74.8	74.1	88.4	78.7	79.1
May	72.0	73.2	67.6	79.0	74.0	71.7	87.5	78.6	77.7	93.6	82.8	83.4
June	72.7	67.6	65.3	78.8	70.4	67.6	87.4	74.4	74.2	93.4	79.1	80.4
July	68.5	66.6	62.9	75.6	68.5	66.3	84.6	72.5	72.6	90.6	76.9	76.5
August	70.3	70.5	67.2	77.7	72.1	69.9	86.9	76.0	76.1	92.9	80.4	81.9
September	72.0	69.3	67.6	76.8	68.8	66.0	85.7	73.4	72.4	92.0	77.9	79.2
October	70.4	68.3	66.1	74.7	67.7	65.9	83.5	70.9	71.7	90.1	76.1	78.2
November	70.1	70.2	66.3	75.6	68.2	66.9	84.1	73.6	73.0	90.6	76.9	79.3
December	69.1	66.2	62.0	72.3	61.6	59.5	80.6	67.0	66.7	88.1	70.0	73.0
1991 Avg.	**71.7**	**69.0**	**65.7**	**76.4**	**69.5**	**67.2**	**84.7**	**73.8**	**73.3**	**91.2**	**78.2**	**79.2**
1990												
January	71.3	65.6	63.8	74.4	67.2	65.5	84.2	74.5	73.1	91.7	78.2	78.9
February	71.1	66.1	63.1	72.2	65.6	63.4	80.5	71.3	70.4	89.2	76.7	77.4
March	71.3	66.7	64.0	70.5	63.9	62.6	78.7	69.5	68.6	88.0	75.0	76.0
April	73.7	68.5	67.5	73.4	68.1	66.1	81.4	73.8	71.9	90.4	79.2	79.4
May	76.1	73.4	70.3	75.9	71.0	69.1	83.8	76.7	74.7	92.6	82.3	82.6
June	78.8	75.3	71.7	77.1	72.4	68.5	84.9	76.7	74.0	94.0	82.9	83.0
July	80.2	73.4	70.8	76.3	68.1	66.4	83.9	75.1	72.5	93.6	81.0	81.9
August	90.0	88.3	85.0	89.1	83.1	82.7	95.9	88.8	87.2	104.3	94.3	94.8
September	97.1	96.6	92.8	98.1	95.0	92.4	105.5	100.1	97.1	113.5	105.3	104.3
October	103.2	98.3	96.2	105.9	98.6	95.7	114.0	104.2	102.7	121.9	109.4	109.8
November	103.2	95.1	93.1	104.3	94.7	92.5	112.6	100.1	99.6	120.5	105.0	106.6
December	96.8	82.9	80.1	95.7	80.6	77.1	103.2	85.3	84.2	110.8	91.1	91.5
1990 Avg.	**83.4**	**76.8**	**75.4**	**85.3**	**77.5**	**75.8**	**92.3**	**84.0**	**81.4**	**99.0**	**87.3**	**87.4**
1989 Avg.	**71.6**	**64.4**	**63.1**	**72.0**	**62.9**	**61.8**	**79.6**	**69.5**	**68.6**	**87.4**	**73.7**	**74.9**
1988 Avg.	**62.4**	**55.5**	**54.8**	**64.9**	**55.0**	**54.8**	**NA**	**NA**	**NA**	**79.4**	**64.9**	**67.2**
1987 Avg.	**62.3**	**57.4**	**56.5**	**65.9**	**56.4**	**56.9**	**NA**	**NA**	**NA**	**79.0**	**65.4**	**67.1**
1986 Avg.	**57.8**	**54.4**	**50.1**	**62.4**	**54.9**	**52.2**	**NA**	**NA**	**NA**	**74.8**	**63.0**	**61.0**

Source: Energy Information Administration, Petroleum Marketing Monthly, Table 11, March 1992.

Supplier Product Prices for End-Users

(¢ per gal., excluding taxes)

Year/ Month	Motor Gasoline	Aviation Gasoline	Kerosine-Type Jet Fuel	Propane (Consumer Grade)	Kerosine	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel (a)	Residual Fuel Oil
							No.2 Fuel Oil	No. 2 Diesel Oil	Average		
1991											
January	88.7	112.1	81.6	86.6	105.0	89.0	84.5	80.4	81.2	75.4	53.4
February	79.6	106.4	73.7	81.3	93.5	77.8	75.3	71.3	72.0	60.2	39.7
March	74.1	101.3	62.1	76.0	88.8	68.4	64.8	61.7	62.2	54.8	32.3
April	77.1	101.1	58.7	69.8	73.8	67.6	61.6	60.6	60.7	54.1	30.2
May	82.1	105.3	60.1	66.0	69.3	65.5	58.9	60.1	59.9	51.5	31.0
June	81.9	105.2	59.3	62.1	62.3	62.8	56.3	57.9	57.7	49.5	29.5
July	79.0	103.6	59.7	60.6	64.7	64.7	59.1	59.5	59.4	50.0	31.2
August	81.2	105.8	63.8	63.4	68.7	68.1	62.3	63.3	63.2	53.6	31.1
September	80.2	105.7	66.6	64.4	73.6	69.7	63.9	64.8	64.7	52.9	30.6
October	78.2	104.6	67.8	68.0	81.6	73.5	68.5	68.1	68.1	58.4	32.3
November	79.1	104.3	69.6	73.8	94.3	76.3	70.8	69.7	69.9	57.5	35.1
December	75.9	102.0	61.5	78.3	85.8	66.5	63.0	60.9	61.2	54.3	33.1
1991 Avg.	**79.7**	**104.7**	**65.3**	**72.9**	**83.6**	**74.0**	**66.7**	**64.8**	**65.0**	**58.0**	**34.0**
1990											
January	78.8	102.0	79.8	90.8	101.7	81.6	81.2	76.5	77.5	71.8	52.2
February	76.5	102.4	68.4	82.6	82.6	67.0	64.3	61.9	62.2	57.1	43.7
March	75.1	100.9	63.2	71.5	84.1	67.9	62.8	60.6	60.9	55.0	40.2
April	77.9	101.4	60.7	68.5	76.6	66.8	61.9	60.3	60.5	50.6	35.5
May	80.2	103.6	58.1	54.8	67.0	64.3	57.5	58.4	58.3	48.3	34.1
June	81.5	104.2	55.7	57.4	59.9	61.0	51.4	54.0	53.7	45.0	30.4
July	80.8	103.9	55.4	55.6	60.0	62.9	53.6	55.0	54.8	43.9	31.9
August	92.4	112.8	70.7	64.7	90.6	80.0	74.2	76.2	75.9	65.4	44.1
September	101.2	125.6	92.1	72.5	104.4	94.2	87.3	88.4	88.3	73.1	50.7
October	108.7	134.4	116.8	76.9	121.2	106.4	99.4	101.0	100.8	87.0	60.5
November	107.2	131.7	108.4	84.6	119.6	103.9	93.5	96.0	95.6	84.4	58.7
December	98.4	122.5	90.9	85.3	112.1	95.7	86.8	85.9	86.0	81.3	55.5
1990 Avg.	**88.3**	**112.0**	**76.6**	**74.5**	**92.3**	**81.9**	**73.4**	**72.5**	**72.6**	**62.2**	**44.4**
1989 Avg.	**75.6**	**99.5**	**59.2**	**61.5**	**70.9**	**66.1**	**58.7**	**58.5**	**58.5**	**51.2**	**38.5**
1988 Avg.	**67.3**	**89.1**	**51.3**	**71.4**	**73.8**	**56.4**	**54.4**	**50.0**	**50.7**	**46.1**	**33.4**
1987 Avg.	**66.9**	**90.7**	**54.3**	**70.1**	**77.0**	**60.4**	**58.1**	**55.1**	**55.6**	**51.3**	**42.3**
1986 Avg.	**62.4**	**101.1**	**52.9**	**74.5**	**79.0**	**62.0**	**56.0**	**47.8**	**49.1**	**48.9**	**34.3**
1985 Avg.	**91.2**	**120.1**	**79.6**	**71.7**	**103.0**	**88.0**	**84.9**	**78.9**	**79.9**	**77.3**	**61.0**

Source: Energy Information Administration, Petroleum Marketing Monthly, Table 2, March 1992

Residential No. 2 Distillate Fuel Oil Prices for Selected States

(¢ per gal., excluding taxes)

Year/ Month	Conn.	Maine	Mass.	N.H.	R.I.	Vt.	Del.	D.C.	Md.	N.J.	N.Y.	Pa.	Va.
1991													
January	122.6	114.4	117.2	107.2	112.9	117.5	113.0	124.1	122.7	119.7	123.7	117.7	117.7
February	116.0	105.9	111.3	100.7	109.5	111.3	105.4	118.6	116.1	113.3	119.7	110.9	110.5
March	109.0	95.4	102.7	90.5	101.6	104.0	98.4	112.3	107.7	104.3	112.8	101.8	102.6
April	101.4	87.1	96.1	83.9	94.6	98.3	92.3	105.6	102.8	97.6	106.7	95.5	96.2
May	96.5	81.9	91.7	79.4	89.7	93.5	91.4	101.1	98.8	93.5	101.1	89.9	90.7
June	92.7	79.4	88.9	77.3	87.1	91.3	83.1	94.6	95.9	90.3	97.9	85.7	87.8
July	90.0	82.2	88.4	77.6	88.8	88.1	81.5	98.6	93.7	88.5	93.9	80.8	86.9
August	89.7	83.4	88.7	80.6	88.7	88.6	85.3	98.6	94.0	89.0	92.9	81.8	87.5
September	92.0	87.3	90.9	84.2	90.3	91.9	87.3	101.7	96.7	92.3	98.7	83.3	90.7
October	96.3	91.3	94.9	87.8	94.9	93.9	92.8	104.0	100.0	97.1	103.4	88.7	93.9
November	99.8	95.1	97.4	90.1	95.8	95.6	96.9	107.3	103.4	100.6	108.2	93.5	96.7
December	98.2	89.5	95.8	89.1	93.4	95.0	94.7	107.7	102.5	97.4	106.0	93.0	95.3
1991 Avg.	**106.1**	**96.0**	**102.8**	**91.7**	**99.8**	**101.9**	**99.7**	**112.1**	**108.7**	**104.0**	**111.2**	**99.7**	**101.5**
1990													
January	120.0	116.1	117.0	118.5	122.5	121.5	119.4	119.0	119.8	117.3	122.2	113.7	117.8
February	100.8	85.4	99.8	96.2	98.5	98.7	97.1	96.4	100.9	99.5	103.2	93.4	102.9
March	97.7	84.0	98.7	93.2	97.3	95.6	93.2	94.4	98.8	98.5	101.6	90.3	97.9
April	96.3	83.2	95.1	90.1	95.9	94.2	91.8	93.1	97.5	96.5	100.2	87.6	94.9
May	92.7	81.2	92.4	87.0	93.9	91.7	90.1	94.2	94.9	94.4	98.9	84.4	90.4
June	87.1	76.7	88.9	82.8	89.1	87.2	83.2	93.2	89.4	88.6	94.5	78.3	88.0
July	85.4	74.2	88.0	80.7	86.9	85.4	77.9	97.6	86.2	85.4	93.0	74.3	89.8
August	104.1	97.7	102.3	99.2	102.3	97.4	93.1	107.1	100.2	102.1	102.3	92.5	102.4
September	114.7	118.4	118.1	110.9	118.8	114.4	112.0	116.1	115.7	117.2	117.9	108.7	114.7
October	128.2	126.0	126.8	119.8	120.1	124.2	119.0	134.3	130.8	129.4	130.2	122.3	128.3
November	128.1	116.4	122.8	116.2	119.5	123.7	118.8	133.3	130.4	126.8	129.6	122.5	125.6
December	124.7	113.4	120.0	11.2	115.3	119.6	113.7	128.4	125.3	122.2	126.6	119.3	122.8
1990 Avg.	**109.8**	**98.9**	**108.4**	**102.8**	**108.6**	**107.0**	**105.8**	**107.8**	**111.9**	**108.7**	**112.5**	**102.6**	**110.6**
1989 Avg.	**92.9**	**89.4**	**92.6**	**89.3**	**93.9**	**90.5**	**88.2**	**98.6**	**93.8**	**91.8**	**95.8**	**85.1**	**87.0**
1988 Avg.	**85.3**	**77.7**	**82.1**	**78.2**	**83.6**	**82.6**	**80.1**	**91.6**	**87.0**	**84.8**	**86.3**	**77.8**	**80.5**
1987 Avg.	**83.4**	**74.7**	**80.6**	**76.5**	**82.5**	**81.1**	**79.3**	**91.8**	**86.6**	**84.3**	**85.2**	**76.9**	**79.5**
1986 Avg.	**89.0**	**74.4**	**82.1**	**75.9**	**82.8**	**86.6**	**85.0**	**93.1**	**91.4**	**90.2**	**91.1**	**81.4**	**86.6**

Source: Energy Information Administration, Petroleum Marketing Monthly, Table 16, March 1992.

Supplier Prices of No.2 Distillate Fuel Oil

(¢ per gal., excluding taxes)

Year/ Month	Sales to End-Users						
	To Residential Consumers(a)	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets (b)	To Other End-Users (c)	Average	Sales for Resale
1991							
January	116.8	84.0	84.9	91.0	89.2	96.4	76.9
February	110.3	75.1	76.2	81.6	73.3	86.9	68.6
March	102.6	65.2	66.9	72.2	71.7	76.3	59.9
April	96.9	63.0	65.7	70.6	71.0	71.3	58.1
May	92.5	61.8	64.1	70.0	70.2	68.1	57.3
June	89.3	59.6	62.1	67.8	68.0	65.2	55.1
July	86.6	61.3	64.3	68.5	69.0	66.4	57.6
August	87.0	65.0	68.0	72.0	72.4	69.8	61.7
September	89.6	66.6	70.5	73.9	74.7	72.3	63.1
October	94.0	70.2	73.2	76.3	77.8	76.3	66.5
November	97.9	71.6	74.6	78.9	77.3	79.5	66.9
December	95.9	63.2	65.9	74.1	69.3	75.0	56.5
1991 Avg.	**101.8**	**67.4**	**69.6**	**74.6**	**73.8**	**76.0**	**62.7**
1990							
January	114.0	80.0	80.7	89.3	81.8	92.1	74.0
February	96.5	64.1	66.5	75.3	69.7	76.4	59.0
March	94.9	62.7	65.6	71.5	69.9	73.3	58.5
April	93.2	62.0	65.3	70.9	70.7	71.1	58.2
May	90.7	59.3	63.6	69.2	68.4	67.0	55.6
June	86.4	55.0	59.1	66.5	63.8	61.9	50.9
July	83.7	56.5	60.1	66.7	64.5	62.7	52.8
August	98.8	78.0	82.9	88.3	86.7	84.6	73.7
September	114.2	89.9	95.6	100.1	99.5	97.1	86.4
October	125.8	101.5	106.2	110.9	110.8	108.5	97.2
November	124.1	96.5	100.0	107.5	106.1	105.5	91.9
December	119.7	87.8	89.6	98.1	94.7	99.6	81.5
1990 Avg.	**106.3**	**75.1**	**78.0**	**85.2**	**82.8**	**84.1**	**70.6**
1989 Avg.	**90.0**	**60.8**	**63.8**	**68.5**	**66.7**	**69.5**	**57.2**
1988 Avg.	**81.3**	**51.9**	**54.2**	**61.6**	**58.7**	**61.2**	**48.2**
1987 Avg.	**80.3**	**56.6**	**59.7**	**64.4**	**63.1**	**64.3**	**53.5**
1986 Avg.	**83.6**	**51.4**	**53.7**	**59.8**	**56.9**	**61.4**	**48.0**

(a) No. 2 fuel oil only. (b) No. 2 diesel fuel only.
(c) Sales to "other end users" are all end-user sales not included in the other end-user categories shown; e.g., sales to agricultural customers or utilities.
Source: Energy Information Administration, Petroleum Marketing Monthly, Table 15, March 1992.

Residential No. 2 Distillate Fuel Oil Prices for Selected States

(¢ per gal., excluding taxes)

Year/ Month	W. Va.	Ill.	Ind.	Mich.	Minn.	Ohio	Wis.	Idaho	Ark.	Ore.	Wash.	U.S. Avg.
1991												
January	110.4	102.4	105.8	109.1	105.5	105.5	102.4	110.8	129.3	108.3	118.4	**116.8**
February	101.2	93.0	95.4	97.0	93.6	94.5	92.3	97.3	122.8	102.9	112.0	**110.3**
March	90.8	85.9	87.9	90.9	87.2	85.8	87.6	84.1	109.5	89.4	95.3	**102.6**
April	87.4	88.3	85.7	90.9	87.7	83.2	84.0	83.5	101.9	86.4	94.0	**96.9**
May	85.5	88.5	86.3	88.5	88.0	83.1	82.9	84.4	101.3	86.5	94.9	**92.5**
June	83.5	86.8	80.3	87.5	87.0	80.7	80.8	83.4	98.2	85.6	91.7	**89.3**
July	81.7	82.2	79.1	83.4	84.3	79.6	78.0	80.0	98.6	84.5	85.4	**86.6**
August	82.3	86.5	85.5	84.5	N/A	81.1	78.8	84.6	96.8	87.3	92.3	**87.0**
September	84.7	86.9	85.5	86.6	83.7	84.8	82.7	87.4	92.4	90.8	93.5	**89.6**
October	89.5	88.7	85.8	89.4	86.6	88.7	85.4	87.6	93.2	89.1	94.8	**94.0**
November	91.8	92.4	87.1	92.7	89.2	91.8	90.2	94.7	95.7	90.5	99.5	**97.9**
December	88.9	90.1	82.8	90.0	84.7	86.8	84.9	95.7	94.9	88.6	96.1	**95.9**
1991 Avg.	**93.2**	**92.7**	**91.7**	**93.8**	**91.2**	**91.0**	**89.5**	**95.4**	**105.2**	**93.6**	**101.7**	**101.8**
1990												
January	109.2	94.9	99.8	103.5	99.7	96.0	91.6	85.8	96.5	88.7	96.0	**114.0**
February	89.5	83.1	86.2	92.1	88.1	82.8	83.9	80.9	97.4	83.9	89.0	**96.5**
March	87.1	83.4	83.8	88.7	85.6	82.5	83.1	80.9	102.6	84.3	86.6	**94.9**
April	83.7	82.2	84.1	86.5	85.6	82.3	82.9	81.7	96.5	85.0	90.0	**93.2**
May	83.0	78.3	82.4	83.7	85.1	83.1	81.0	79.5	99.3	84.6	84.9	**90.7**
June	83.4	73.8	72.8	81.1	80.3	82.6	79.5	74.8	100.5	81.9	85.0	**86.4**
July	79.2	76.7	74.7	82.4	82.8	81.6	77.6	70.5	93.5	79.3	76.2	**83.7**
August	98.1	96.9	98.0	100.3	101.4	93.3	92.0	90.7	113.7	95.3	89.5	**98.8**
September	116.3	N/A	110.7	113.2	111.6	115.3	107.1	108.3	122.3	111.9	115.8	**114.2**
October	124.4	116.9	123.3	124.1	120.7	120.9	117.2	121.0	129.7	128.1	133.3	**125.8**
November	121.7	113.1	117.8	121.2	119.8	117.0	114.4	127.3	128.6	127.1	134.2	**124.1**
December	113.1	104.9	111.3	113.5	111.2	111.8	108.3	119.9	128.2	109.2	121.9	**119.7**
1990 Avg.	**99.1**	**96.1**	**99.3**	**100.9**	**101.4**	**98.1**	**94.2**	**97.4**	**110.1**	**97.0**	**102.9**	**106.3**
1989 Avg.	**83.6**	**80.9**	**83.2**	**85.3**	**82.4**	**81.6**	**81.1**	**77.8**	**96.4**	**80.2**	**87.4**	**90.0**
1988 Avg.	**74.2**	**77.6**	**75.4**	**77.5**	**73.5**	**74.7**	**73.9**	**68.8**	**86.9**	**70.9**	**78.5**	**81.3**
1987 Avg.	**76.4**	**79.6**	**75.4**	**77.5**	**74.6**	**74.7**	**75.1**	**68.8**	**86.5**	**72.5**	**79.5**	**80.3**
1986 Avg.	**74.6**	**N/A**	**74.8**	**81.0**	**79.2**	**77.7**	**75.6**	**73.8**	**94.9**	**70.4**	**77.5**	**83.6**

Source: Energy Information Administration, Petroleum Marketing Monthly, Table 16, March 1992.

Supplier Prices of Residual Fuel Oil

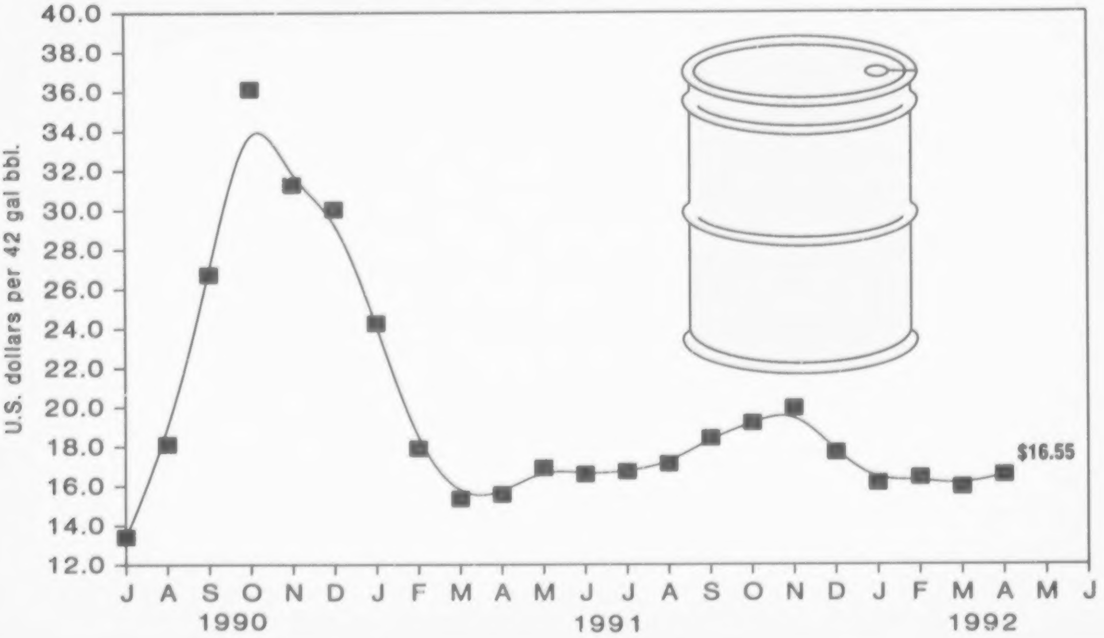
(¢ per gal., excluding taxes)

Year/ Month	Residual Fuel Oil Sulfur Content Less Than or Equal to 1%		Residual Fuel Oil Sulfur Content Greater than 1%		Average	
	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale	Sales to End-Users	Sales for Resale
1991						
January	59.4	51.4	49.7	48.7	53.4	49.7
February	43.7	34.9	37.1	32.3	39.7	33.4
March	38.2	36.2	28.2	24.2	32.3	28.2
April	37.6	33.6	27.1	25.8	30.2	28.7
May	36.6	36.5	27.6	27.7	31.0	30.3
June	35.3	32.0	26.9	28.6	29.5	29.7
July	36.4	32.6	28.2	27.6	31.2	29.0
August	36.8	33.4	27.7	25.9	31.1	27.9
September	36.8	33.7	27.3	25.4	30.6	27.9
October	38.5	34.1	29.7	27.6	32.3	29.5
November	40.8	36.6	31.8	27.9	35.1	30.7
December	40.0	34.8	28.8	26.0	33.1	28.9
1991 Avg.	**40.2**	**36.1**	**30.6**	**28.8**	**34.0**	**31.2**
1990						
January	60.1	56.0	45.2	42.0	52.2	48.2
February	51.5	44.4	37.3	34.6	43.7	38.1
March	45.4	39.7	35.5	31.9	40.2	34.8
April	39.6	36.1	32.6	31.2	35.5	33.4
May	37.9	34.5	31.4	28.3	34.1	30.5
June	34.2	31.1	27.6	24.8	30.4	27.1
July	36.3	33.2	28.4	25.4	31.9	29.1
August	50.7	49.1	39.4	41.4	44.1	44.5
September	59.4	56.4	46.2	46.1	50.7	50.9
October	68.6	64.1	54.8	53.1	60.5	57.7
November	66.5	63.3	53.9	49.7	58.7	55.6
December	62.2	57.6	50.2	43.0	55.5	48.6
1990 Avg.	**50.5**	**47.2**	**40.0**	**37.2**	**44.4**	**41.3**
1989 Avg.	**43.6**	**40.7**	**34.4**	**33.1**	**38.5**	**36.0**
1988 Avg.	**37.2**	**33.3**	**30.0**	**27.1**	**33.4**	**30.0**
1987 Avg.	**44.7**	**41.2**	**39.6**	**36.2**	**42.3**	**38.5**
1986 Avg.	**37.2**	**32.8**	**31.7**	**28.9**	**34.3**	**30.5**

Source: Energy Information Administration, Petroleum Marketing Monthly, Table 17, March 1992.

World Crude Oil Price Trends

(Average price (FOB), internationally traded only, weighted by estimated volume)



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International Prices for Gasoline and Fuel Oil

(U.S. $ per gal. for gasoline, pump retails, distillate and kerosine)
(U.S. $ per bbl. for residual oil)

Country	January 1, 1991					January 1, 1990				
	Automotive Fuels		Residential		Industrial	Automotive Fuels		Residential		Industrial
	Premium Gasoline	Diesel	Distillate	Kerosine	Residual	Premium Gasoline	Diesel	Distillate	Kerosine	Residual
Western Hemisphere										
Argentina	3.07	1.53	1.53	1.28	29.0	1.28	0.59	0.41	0.31	9.28
Bolivia	1.78	1.00	0.95	0.67	N/A	1.46	0.95	0.85	0.75	N/A
Brazil	1.65	0.81	0.43	0.95	13.71	1.41	0.69	0.85	0.79	9.55
Canada*	2.06	1.98	1.55	1.24	27.08	1.92	1.55	1.09	1.56	23.49
Chile	1.71	1.48	1.44	1.32	27.80	1.21	1.20	1.17	0.96	21.96
Colombia	0.64	0.51	N/A	0.51	12.11	N/A	N/A	N/A	N/A	N/A
Costa Rica	1.51	1.21	0.61	1.06	N/A	N/A	N/A	N/A	N/A	N/A
Dominican Republic	1.54	1.05	1.05	1.38	22.93	0.94	0.39	N/A	0.39	16.38
Ecuador	0.44	0.41	0.25	0.05	14.71	0.52	0.37	N/A	0.06	11.78
El Salvador	2.36	0.96	1.55	1.12	N/A	1.88	1.05	N/A	1.14	21.00
Jamaica	1.94	2.04	2.05	N/A	35.91	2.02	1.44	N/A	0.78	25.08
Mexico	0.87	0.66	N/A	0.26	9.60	0.88	0.67	0.27	0.63	9.74
Panama	2.44	1.36	N/A	1.10	27.15	1.98	1.19	N/A	1.10	21.21
Paraguay	2.34	1.40	N/A	0.88	22.09	1.33	0.68	N/A	0.81	17.84
Peru	1.99	1.07	N/A	0.98	38.17	1.28	0.39	N/A	0.44	11.28
Suriname	3.10	1.82	N/A	1.37	N/A	N/A	N/A	N/A	N/A	N/A
Trinidad & Tobago	1.34	0.80	0.85	0.79	N/A	N/A	N/A	N/A	N/A	N/A
United States*	**1.43	0.91	1.17	1.05	20.87	**1.04	0.99	0.81	1.00	21.84
Uruguay	3.05	1.79	1.22	1.34	37.11	2.50	1.44	0.98	1.16	30.19
Venezuela	0.27	0.19	N/A	0.07	6.55	0.24	0.06	0.04	0.09	1.84
Western Europe*										
Austria	3.47	3.31	1.80	N/A	21.70	3.15	2.17	0.80	N/A	17.11
Belgium	3.61	N/A	1.33	N/A	14.39	3.13	1.76	0.96	0.87	14.93
Denmark	4.18	3.38	3.15	4.08	25.51	3.64	1.04	2.32	1.84	20.83
Finland	4.45	3.53	1.69	N/A	36.58	3.40	2.29	1.21	N/A	25.53
France	3.86	N/A	2.03	N/A	19.08	3.40	1.78	1.40	N/A	18.51
Germany	2.87	2.69	1.34	N/A	32.77	2.72	1.91	0.95	N/A	20.31
Greece	3.32	1.59	N/A	2.12	27.74	2.16	0.89	0.90	0.79	24.31
Ireland	3.62	N/A	1.43	N/A	21.80	3.63	2.54	1.43	0.48	21.79
Italy	5.10	3.77	3.54	2.61	54.64	4.27	2.34	2.53	2.00	24.00
Luxembourg	2.95	2.10	1.34	2.79	32.34	2.32	1.40	0.94	0.98	19.81
Netherlands	3.28	2.24	1.46	1.66	28.56	3.35	1.72	1.25	1.62	26.77
Norway	4.80	2.33	2.07	2.35	76.30	3.61	1.31	1.38	1.55	44.43
Portugal	4.25	3.02	N/A	2.69	20.73	3.30	2.06	2.13	2.03	25.16
Spain	3.53	N/A	1.85	N/A	29.15	2.73	1.82	1.21	2.04	21.22
Sweden	4.45	3.58	2.05	2.88	77.20	3.23	2.30	1.74	2.18	55.61
Switzerland	3.21	3.42	1.19	N/A	37.73	2.66	2.71	0.88	N/A	23.42
Turkey	2.51	1.91	N/A	2.10	28.79	1.97	1.94	0.96	1.98	36.24
United Kingdom	2.55	N/A	0.81	N/A	19.59	2.55	2.04	0.81	2.61	19.59
Yugoslavia	3.05	2.51	1.46	0.85	27.70	2.16	1.80	0.84	N/A	N/A
Middle East										
Israel	2.70	2.01	0.80	2.05	22.96	2.20	1.67	0.75	1.69	23.03
Saudi Arabia	0.54	0.12	N/A	0.20	5.30	0.54	0.12	N/A	0.20	55.01
Africa										
Ethiopia	2.93	1.44	N/A	1.20	24.39	2.93	1.44	N/A	1.18	47.00
Ghana	1.49	1.24	N/A	1.12	35.39	0.76	0.69	N/A	0.52	18.36
Kenya	2.35	1.78	N/A	1.31	40.85	N/A	N/A	N/A	N/A	N/A
Morocco	2.92	1.67	0.83	1.50	29.78	2.86	1.63	0.95	1.47	33.48
South Africa	2.00	2.00	1.86	1.55	45.52	1.76	1.65	1.59	1.48	35.67
Tunisia	2.21	N/A	0.86	0.72	17.17	2.01	N/A	0.79	0.66	15.64
Zimbabwe	2.38	1.28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Asia-Pacific										
Australia*	2.11	2.04	2.26	2.30	59.07	1.86	1.59	1.43	N/A	N/A
India	3.09	1.05	N/A	0.57	30.07	1.92	0.78	N/A	0.50	31.46
Indonesia	0.90	0.49	0.44	0.50	19.80	0.81	0.42	0.42	0.35	17.65
Japan*	3.90	2.40	1.69	N/A	50.68	3.05	1.75	1.03	N/A	26.14
Myanmar (Burma)	2.27	1.49	1.21	1.92	50.82	2.94	1.93	1.56	2.48	54.60
Pakistan	2.46	0.97	0.80	0.86	21.42	1.52	0.68	N/A	0.53	14.28
Philippines	2.16	1.05	N/A	1.05	N/A	1.19	0.84	N/A	0.84	24.25
Singapore	2.64	1.30	N/A	1.26	21.86	N/A	N/A	N/A	N/A	N/A
Sri Lanka	1.87	0.90	N/A	0.61	15.03	1.89	0.91	N/A	0.62	15.20
Thailand	1.67	1.27	N/A	1.32	23.00	1.24	0.89	N/A	0.90	17.84

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* Averages for 1991. ** Unleaded regular gasoline prices. N/A = Not available or not reported. All taxes are included, except for U.S. fuel oils.
Gasoline and fuel oil prices are for the capital cities of each country, except those of the U.S., which are the national average for the periods quoted.
Source: Energy Information Administration, International Energy Annual 1990, Table D-2, March 1991.

Spot Market Product Prices

($ per bbl.)

		Motor Gasoline		Gas Oil/Heating Oil		Residual Fuel Oil	
		Rotterdam Unleaded Regular (87-Octane)	New York Unleaded Regular (87-Octane)	Rotterdam (0.3% Sulfur)	New York (0.2% Sulfur)	Rotterdam (1% Sulfur)	New York (1% Sulfur)
				1991			
Jan.	4	29.13	27.16	32.44	30.83	21.55	22.50
	11	31.65	31.22	35.39	33.93	22.75	22.25
	18	26.67	25.78	34.72	30.66	18.09	19.75
	25	27.43	26.92	37.20	32.08	18.77	17.50
Feb.	1	27.90	29.48	33.85	30.73	14.71	16.25
	8	27.90	27.38	43.50	32.80	13.59	14.35
	15	29.96	27.80	36.66	30.95	13.81	14.25
	22	25.09	26.64	37.87	28.67	13.44	13.50
Mar.	1	27.08	29.47	25.60	28.66	13.36	13.25
	8	28.60	31.58	26.68	27.68	14.86	13.25
	15	27.90	29.91	22.79	26.04	15.54	15.50
	22	28.02	33.10	23.06	27.13	15.02	15.25
	29	27.55	29.74	22.92	24.55	15.17	15.00
Apr.	5	26.14	29.64	23.32	24.53	14.19	14.00
	12	27.90	30.23	23.73	24.17	13.21	14.00
	19	28.66	31.08	24.80	23.68	13.44	14.00
	26	27.90	30.11	25.27	23.65	12.46	13.90
May	3	28.02	30.20	24.66	22.87	11.41	13.50
	10	28.14	31.13	25.20	23.58	12.01	13.25
	17	27.43	28.94	24.80	23.28	12.16	13.40
	24	27.78	28.04	25.20	23.83	12.16	13.50
	31	27.90	28.54	24.53	23.86	11.86	13.50
June	7	27.55	27.27	23.32	22.64	11.86	13.25
	14	28.14	26.43	23.73	22.38	11.64	13.00
	21	27.67	25.97	23.79	22.66	11.11	12.65
	28	26.61	26.67	23.32	22.59	11.26	12.65
July	5	26.85	26.52	23.99	23.47	11.71	13.50
	12	26.38	27.40	24.60	24.28	12.16	14.25
	19	26.61	27.19	25.47	25.08	13.51	14.50
	26	26.49	27.85	25.07	24.52	13.06	14.75
Aug.	2	26.85	29.01	25.07	25.21	13.06	14.00
	9	26.91	30.83	25.13	25.21	12.01	13.75
	16	27.55	28.91	24.80	25.73	12.76	14.00
	23	27.43	29.45	25.47	26.79	13.81	14.25
	30	27.43	27.72	25.87	26.85	14.19	14.50
Sept.	6	27.67	26.30	25.60	27.44	14.71	15.25
	13	27.55	26.12	25.67	26.28	14.86	14.35
	20	27.78	25.57	25.87	26.14	15.02	15.00
	27	26.85	25.94	26.41	26.55	15.02	15.00
Oct.	4	26.14	26.59	27.75	26.84	15.54	15.00
	11	25.67	26.27	28.82	27.89	15.32	15.25
	18	25.79	27.11	29.83	29.06	14.71	15.50
	25	26.49	27.45	29.22	29.35	14.71	15.50
Nov.	1	26.96	28.40	29.09	29.70	15.47	15.75
	8	27.32	28.47	30.23	30.21	16.07	15.75
	15	26.85	26.81	27.01	29.29	16.82	16.00
	22	26.61	27.13	27.28	28.99	17.94	16.50
	29	24.85	26.21	25.74	28.43	19.14	16.15
Dec.	6	23.92	24.18	24.06	27.45	17.87	15.50
	13	22.51	23.11	23.46	26.21	17.72	14.75
	20	22.04	22.86	23.59	25.46	17.12	14.75
	27	21.69	22.47	22.39	24.51	16.82	14.00
				1992			
Jan.	3	22.27	23.39	21.92	23.26	16.07	13.65
	10	22.39	20.81	20.78	22.53	14.41	12.50
	17	22.51	22.23	23.32	23.97	14.41	12.35
	24	22.27	21.76	23.86	24.02	12.91	12.50
	31	22.04	23.21	22.86	24.21	12.16	12.75
Feb.	7	22.86	24.21	23.26	24.51	12.01	12.50
	14	23.33	23.68	22.92	24.81	12.16	12.75
	21	22.74	22.26	21.98	24.41	11.56	12.65
	28	22.39	23.07	21.65	23.63	10.81	12.25
Mar.	6	22.27	24.03	21.25	23.53	12.39	12.00
	13	22.04	23.78	21.11	23.39	12.76	12.25
	20	22.16	24.07	21.51	23.79	13.66	12.65
	27	22.39	23.96	21.92	23.58	13.96	13.25

Source: Energy Information Administration, Weekly Petroleum Statistical Reports, Table 13, January 1992.

Retail Outlet Count Edges Down, But Is Still Over 200,000

Early in 1992, there were 202,443 retail outlets in the United States selling gasoline to the motoring public. This figure represents a decline of 7,677 outlets (3.8%) compared to the total outlet population of 210,120 reported during the same period in 1991.

The decline in the retail gasoline outlet population should come as no surprise to anyone who has been following events in the petroleum market over the past year. Economic recession, reduced product demand, volatile price swings and burdensome environmental regulations have taken their toll, particularly among retailers with marginal facilities. The surprise, perhaps, is that under these circumstances, less than 4% of retail outlets have gone under.

This latest population count is derived from the second-annual retail gasoline outlet survey conducted by the editorial staff of *National Petroleum News*. To compile this data, *NPN* staff members contacted officials in every state in the union and the District of Columbia.

NPN adopted this survey method last year to provide the petroleum marketing industry with a more accurate and confirmable universe figure than the hodgepodge of guesses and highly selective and limited "counts" that have been circulating in the past 10 years or so.

Early in 1991, *NPN* set out to determine the total number of places where motorists can buy gasoline for their vehicles at retail pumps [*NPN*—April '91, p26]. This includes conventional "service stations," convenience stores, car washes, unattended outlets, truckstops, garages, etc.; anywhere that gasoline is sold at retail. Unfortunately, many thousands of these facilities have been ignored or have simply slipped through the cracks in previous market surveys.

This new counting concept dispenses with the arbitrary definition of "gasoline service stations" adopted by the U.S. Census Bureau's *Census of Retail Trade* conducted every five years. In its last two official nose counts—in 1982 and 1987—the Census Bureau simply lopped off tens of thousands of legitimate gasoline retail outlets. The Bureau eliminated Mom-and-Pop retail outlets and counted only those with employees and formal payrolls. What's more, they classified as "service stations" only those outlets that generated 50% or more of their annual revenue from gasoline sales.

Under the Bureau definition, a convenience store selling $700,000/yr. of store merchandise, for example, and $680,000/yr. of gasoline (about 50,000 gal./mo.) would be excluded from its tally.

The Census Bureau's survey methodology, using the 50%/payroll definition, largely discounts the tremendous growth of the convenience store presence in the petroleum market during the past 15 years or thereabouts. *NPN's* survey, on the other hand, counts these neglected C-store/gasoline combinations, along with all other retail gasoline facilities orphaned by the Bureau's tally.

Target the states

Lacking data from government or any other national source that reflected the true dimensions of the retail gasoline market, *NPN's* survey task force—including editors Angel Abcede, Steve Dwyer, Mark Emond, Alicia Lasek, Greg Lindenberg and Don Smith—focused its numbers quest at the state level.

It should be noted at the outset that many states do not have "official" figures or procedures for isolating, for counting purposes, retail gasoline outlets from other types of business. This includes the motor vehicle, licensing and tax departments or divisions in more than half of the states.

The lack of official counts by many of these departments prompted *NPN*'s survey staff to pursue other responsible sources in state administrations who have reasonable knowledge of their state's gasoline marketplaces and are in a position to make reliable estimates. These included officials with state weights and measures departments which, while not responsible for station totals, were responsible for tracking every retail gasoline pump in operation.

NPN also contacted key trade associa-

Wash.
Mont.
N.D.
Minn.
Ore.
Idaho
S.D.
Wis.
Wyo.
Mich.
Iowa
Neb.
Vt.
Maine
N.H.
Mass.
N.Y.
R.I.
Conn.
Penn.
Ohio
Ill.
Ind.
N.J.
Nev.
Utah
Colo.
Kan.
Mo.
Del.
W.Va.
Md.
Wash. D.C.
Ky.
Va.
Calif.
Tenn.
N.C.
Okla.
Ark.
Ariz.
N.M.
S.C.
Miss.
Ala.
Ga.
La.
Texas
Fla.
Alaska
Hawaii
Increase/ No Change
Decrease

tion executives because of their specialized knowledge of their markets.

As a result, approximately two-thirds of the figures compiled by *NPN* are "hard" numbers—figures based on registration, licensing and tax division reports. The data for the remaining one-third of these states range from unofficial estimates to "guesstimates" in a couple of states based on the best available information.

Accounting for differences

A review of the state data in the accompanying table would seem to indicate some of the state totals are out of whack, in terms of the ratio of outlets to total state population, especially when compared to the numbers in other, more populous states.

State demographics such as urban-rural concentrations figure prominently in determining the number of outlets a particular state has.

North Carolina, for example, reported a outlet count of 10,244 at the beginning of this year, a much higher figure than those reported for several more populous states. North Carolina has a very accurate annual reporting procedure that collects all retail gasoline outlet data on a county-by-county basis, indicating that the state's numbers are highly reliable. But, as one state association official points out, the state has a much higher proportion of small, rural, 10,000-20,000 gal./mo. locations, giving North Carolina a higher per capita outlet count than more populous states such as New York.

It's interesting, too, to compare North Carolina's detailed state-generated numbers for 1991 with those "50 percenter" stations tallied in the Census Bureau's 1987 figures. The state people came up with a total almost three times the number recorded by the Bureau. It appears there are over 6,000 retail gasoline outlets in the state that the world didn't know about until last year.

For this 1992 report, *NPN*'s staff has fine-tuned the research and the data presented for a few states, based on more reliable information being available this time around. Illinois is one example. Last year, despite contacts with every source *NPN* could identify, the numbers published for the state, which were based on an "educated guess" offered by an Illinois state official, turned out to be unrealistically high, to say the least. This year, a thorough search by staffers turned up a more reliable and authoritative number from a source at Illinois' Weights and Measures Div.

As indicated in last year's report, *NPN* plans to update its state-by-state outlet tally every year. Since some of the states are already improving their counting procedures, it is expected that future surveys will become more and more accurate with each passing year.

1992 Retail Outlet Population

	NPN Survey		Census Data	
	1992 (a)	**1991 (a)**	**1987 (b)**	**1972 (c)**
Alabama	6,500	6,500	2,229	4,510
Alaska	296	300	214	241
Arizona	2,425	4,010	1,241	2,357
Arkansas	3,592	3,764	1,357	3,144
California	13,140	13,800	9,812	19,513
Colorado	3,281	3,400	1,568	3,170
Connecticut	1,850	1,900	1,671	2,798
Delaware	508	450	279	557
Dist. of Col.	180	134	115	318
Florida	10,062	10,152	5,933	9,199
Georgia	7,000	7,000	3,273	6,730
Hawaii	407	392	355	480
Idaho	1,073	1,123	588	1,193
Illinois	5,749	10,100	4,655	10,211
Indiana	3,901	4,500	2,854	6,235
Iowa	3,783	4,169	2,020	2,613
Kansas	2,896	3,062	1,576	3,609
Kentucky	2,360	2,446	2,058	3,921
Louisiana	9,497	6,600	1,934	3,921
Maine	1,500	700	673	1,224
Maryland	2,245	2,450	1,846	3,012
Massachusetts	4,500	2,500	2,738	4,698
Michigan	6,905	8,500	4,164	8,919
Minnesota	3,157	3,598	2,289	4,585
Mississippi	6,127	6,000	1,374	2,727
Missouri	5,895	7,200	3,119	6,280
Montana	1,432	1,400	548	1,190
Nebraska	2,008	3,000	1,163	2,265
Nevada	694	450	441	798
New Hampshire	1,069	1,050	534	888
New Jersey	3,800	3,860	3,791	5,768
New Mexico	1,858	2,066	696	1,831
New York	7,000	6,800	5,982	11,359
North Carolina	10,244	10,643	3,547	6,946
North Dakota	983	1,245	471	910
Ohio	6,632	6,205	5,362	11,723
Oregon	2,091	2,165	1,352	2,828
Oklahoma	4,450	4,700	1,705	4,153
Pennsylvania	5,790	6,000	5,192	11,256
Rhode Island	703	602	487	901
South Carolina	4,776	5,200	1,833	3,720
South Dakota	1,245	1,245	556	1,171
Tennessee	6,000	6,000	2,491	5,157
Texas	9,900	11,000	8,568	17,118
Utah	2,116	2,137	849	1,504
Vermont	854	856	369	596
Virginia	6,400	6,000	2,740	4,648
Washington	5,306	3,500	2,003	3,945
West Virginia	2,700	2,800	1,013	2,156
Wisconsin	4,388	5,074	2,735	5,182
Wyoming	1,175	1,372	415	772
Total U.S.	**202,443**	**210,120**	**114,746**	**226,459**

(a) This compilation embraces all outlets where gasoline is sold at retail. It includes service stations, convenience stores, car washes, etc., a universe, in effect, of retail gasoline outlets. The surveys were completed in March 1992 and January 1991, respectively.

(b) These are the U.S. Bureau of the Census figures for 1987, but include only those service stations that have employees and payrolls and generate more than half their income from gasoline sales. Automatically excluded were convenience stores, car washes, etc.

(c) These are the U.S. Bureau of the Census figures for 1972 and are generally considered a "universe count" because only a handful of places, beyond orthodox service stations, sold gasoline at retail at that time.

Sources: NPN state-by-state telephone survey for 1992 and 1991; U.S. Bureau of the Census, Census of Retail Trade, 1987 and 1972.

U.S. Gasoline Shares by Key Categories:

Region	Service Stations 1991	1990	1989	1988	1987	Pumpers 1991	1990	1989	1988	1987
Northeastern Region										
• % of Outlets	59.1	60.6	61.0	64.3	58.7	24.0	22.3	21.7	19.7	24.4
• % of Volume	52.5	54.7	55.9	58.0	52.4	41.3	39.2	38.5	36.6	41.7
• Avg. Monthly Gallonage	64,523	62,611	64,132	58,378	58,914	24,894	121,861	123,816	[illegible]	[illegible]
Midwestern Region										
• % of Outlets	35.3	35.9	36.0	38.4	39.0	44.0	43.7	44.2	42.5	39.8
• % of Volume	27.7	28.2	27.9	31.3	32.6	63.3	63.0	62.5	61.6	58.1
• Avg. Monthly Gallonage	59,156	59,220	59,197	58,959	59,152	108,550	106,706	107,771	104,937	105,714
Sunbelt Region										
• % of Outlets	20.4	22.0	24.4	25.3	27.2	35.3	34.5	32.6	32.2	30.0
• % of Volume	21.8	23.4	23.5	24.3	26.8	59.1	57.8	57.1	56.5	54.0
• Avg. Monthly Gallonage	66,017	55,613	55,943	55,853	57,045	103,859	101,853	101,915	101,761	104,383
Western Region										
• % of Outlets	44.3	45.6	45.8	48.3	52.9	35.6	34.2	34.1	32.2	31.9
• % of Volume	41.2	42.6	45.2	46.3	45.1	51.8	50.0	47.5	46.4	48.3
• Avg. Monthly Gallonage	85,610	70,428	65,056	60,868	56,100	133,676	127,931	120,367	113,735	114,870
United States Total										
• % of Outlets	38.0	38.4	39.8	42.2	43.7	33.9	33.2	32.3	30.9	29.6
• % of Volume	35.6	36.4	37.7	39.3	40.9	53.6	52.5	51.2	50.0	48.7
• Avg. Monthly Gallonage	68,972	62,479	61,669	58,021	56,983	115,107	112,230	110,898	108,226	112,106

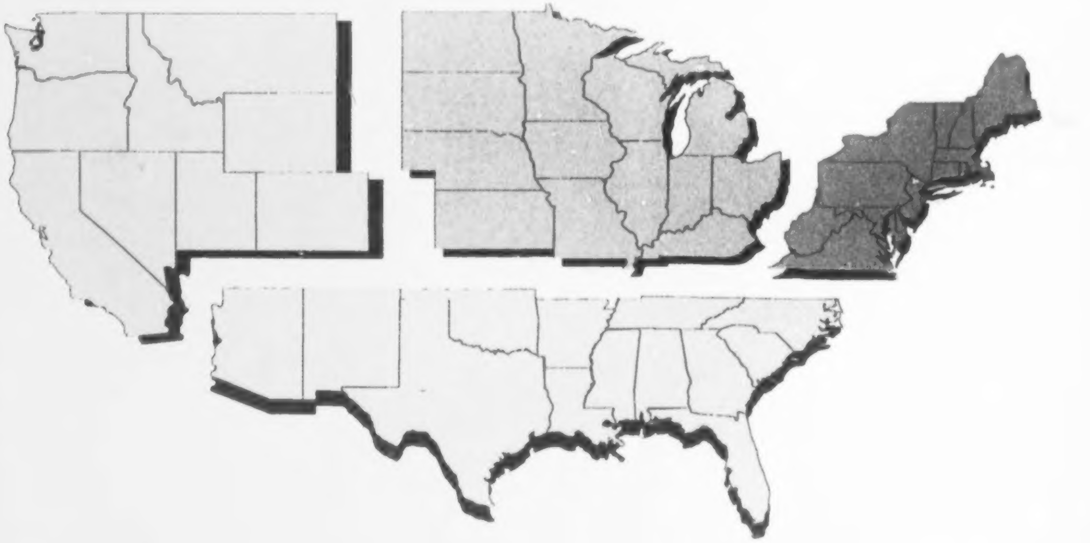
Source: MPSI Inc., Tulsa, Okla.

A study of U.S. retail gasoline market shares was undertaken in 1985 by MPSI Inc., Tulsa, Okla., a firm specializing in international computer software and information services as well as market research and planning.

This year, for the first time, gasoline market share data is presented for a five-year period—1987 through 1991—to provide an overview of the trends and changes within the key categories of gasoline retailing.

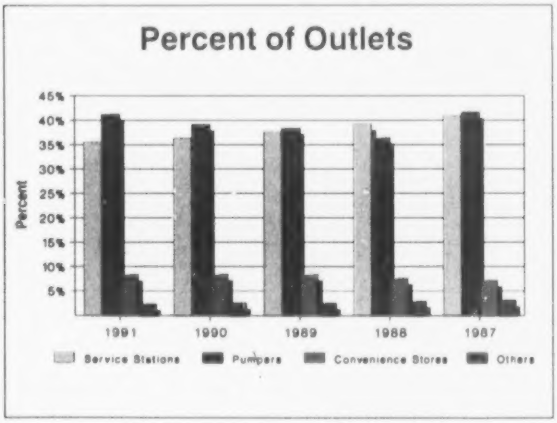
The study breaks out, both nationally and regionally, gasoline market shares and percentages of total outlets for conventional service stations, volume pumpers, convenience stores selling gasoline, plus a catch-all category of "others," including car washes, garages and other facilities.

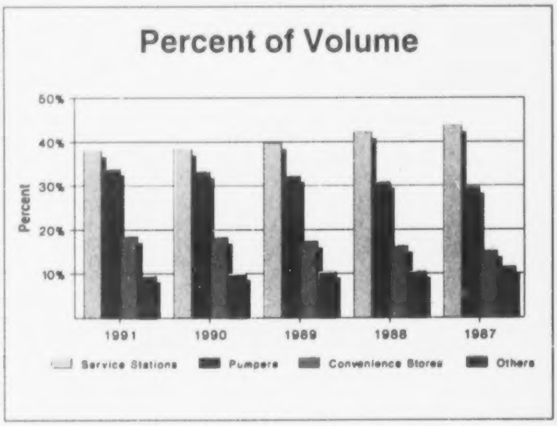
This study covers primarily the metropolitan areas of the United States where most gasoline is marketed. No attempt was made to count rural vendors or highway units, which while important to the industry, do not add greatly to overall consumption.

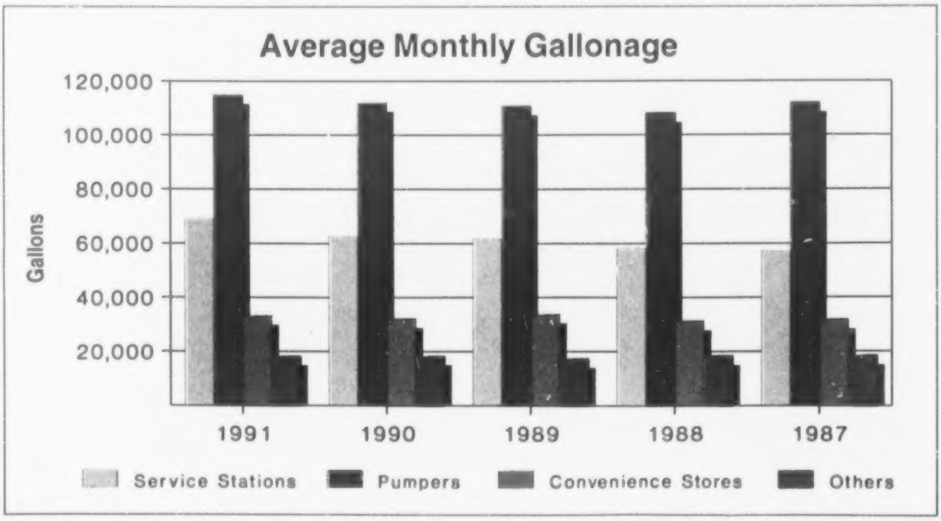


A Five-Year Overview

Convenience Food Stores					Others					Total				
1991	1990	1989	1988	1987	1991	1990	1989	1988	1987	1991	1990	1989	1988	1987
6.7	6.3	6.2	5.0	5.2	10.2	10.8	11.1	10.4	11.7	100.0	100.0	100.0	100.0	100.0
3.8	3.6	3.4	2.8	2.9	2.4	2.5	2.2	2.6	3.0	100.0	100.0	100.0	100.0	100.0
41,287	38,847	38,591	36,762	37,807	16,676	15,974	14,252	16,048	16,766	72,580	69,380	69,996	65,252	63,37[illegible]
9.7	9.2	8.3	7.2	8.6	11.0	11.2	11.5	11.9	12.5	100.0	100.0	100.0	100.0	100.0
6.3	6.0	6.8	4.1	6.0	2.7	2.8	2.8	3.0	3.3	100.0	100.0	100.0	100.0	100.0
48,967	46,642	43,077	41,472	46,202	18,611	18,802	18,327	18,154	19,059	75,457	74,782	76,256	72,369	72,751
34.5	33.2	32.2	31.3	30.2	9.8	10.3	10.8	11.2	12.6	100.0	100.0	100.0	100.0	100.0
16.3	15.7	16.0	15.5	15.2	2.8	3.1	3.4	3.7	4.0	100.0	100.0	100.0	100.0	100.0
29,182	28,735	28,934	28,734	28,995	17,834	18,343	18,176	18,902	18,646	61,938	58,798	58,173	58,029	57,916
12.7	12.4	11.9	10.6	7.1	7.4	7.8	8.2	8.9	8.9	100.0	100.0	100.0	100.0	100.0
5.2	5.4	5.3	4.9	4.3	1.8	2.0	2.0	2.4	2.3	100.0	100.0	100.0	100.0	100.0
37,725	38,252	38,188	36,769	36,850	22,321	22,593	20,987	21,560	20,907	92,032	82,356	81,352	79,108	69,515
18.5	18.3	17.4	16.3	15.2	9.6	10.1	10.5	10.6	11.5	100.0	100.0	100.0	100.0	100.0
8.4	8.5	8.5	7.7	7.2	2.4	2.6	2.6	3.0	3.2	100.0	100.0	100.0	100.0	100.0
33,357	32,220	33,948	31,387	31,780	18,389	18,524	17,631	18,552	18,656	73,255	69,036	70,023	66,740	65,079







Retail Market

Business at Service Stations

(Dollar Volume and Product Sales)

Year	No. of Service Stations(a)	Total Sales (000,000,000)	Avg. Sales per station (000)	Passenger Car Population (000)	Gasoline: Avg. gal. consumed per car per year	Gasoline: Total consumption (000,000 gal)(b)
1990 (a)	210,120	—	—	143,550	505	72,626
1989 (b)	111,700	$115.0	$1,030	143,081	510	72,956
1988	112,000	91.9	821	141,252	511	72,149
1987	115,870	89.2	770	137,324	515	70,763
1985	124,600	100.8	809	132,108	526	69,450
1983	136,570	103.1	755	126,728	577	73,156
1981	151,250	101.7	672	123,462	581	71,178
1972(c)	226,459	33.7	149	96,567	785	75,805

Station Customers

(Billions of dollars)

Year	No. of Service Stations(a)	Privately Owned Passenger Cars: Total (000)	Privately Owned Passenger Cars: Avg. Per Station	Households Owning Cars*: Total (000)	Households Owning Cars*: Avg. Per Station	Licensed Drivers: Total (000,000)	Licensed Drivers: Avg. per Station	Women Drivers: Total (000,000)	Women Drivers: Avg.Per Station
1991	202,443	145,043	716	81.0	400	169.2	836	82.4	407
1990 (b)	210,120	143,550	683	80.0	381	167.0	795	81.2	387
1989	111,700	143,081	1,281	78.5	703	165.6	1,483	80.2	718
1988	112,000	141,252	1,261	78.0	696	162.9	1,454	78.7	703
1987	115,870	137,324	1,185	77.0	665	161.8	1,396	77.8	671
1985	124,600	132,108	1,060	75.0	602	156.9	1,259	75.3	604
1983	136,570	126,728	927	73.0	534	154.2	1,129	73.4	537
1981	151,250	123,462	816	70.0	460	147.0	969	69.2	457
1972(b)	226,459	96,567	426	52.8	232	118.4	522	52.6	232

(a) In late 1990, *NPN* began its own annual survey of service stations to come up with a semi-official count. Totals for 1990-1991 include all retail outlets where consumers can buy gasoline (service stations, C-stores, car rental facilities, etc.). Totals before 1990 are from the U.S. Dept. of Commerce, *Franchising in the Economy*, and Census Bureau data, which count only those stations that get 50% or more of their gross sales from gasoline products.

(b) Revised.

(c) Peak year.

Source: NPN, Federal Highway Administration, U.S. Dept. of Commerce.

How Stations Rank in Sales

(Billions of dollars)

Station	1991	% Change 1991-1990 (a)	1990	% Change 1990-1989(b)	1989	% Change 1989-1988	1988	% Change 1988-1987
All Retail Stores	$1,819	—	1,807	3.7%	1,742	6.9%	1,629	7.8%
Automotive Group	374	1.8%	381	—	383	3.8	369	12.9
Food Group	370	2.2	362	4.9	345	3.9	332	5.7
General Merchandise	217	2.8	211	3.4	204	10.9	184	4.5
Eating & Drinking	189	3.8	182	4.6	174	10.1	158	6.7
Gasoline Service Stations	128	3.0	132	11.9	118	15.7	102	1.4
Apparel Group	84	11.6	95	4.4	91	11.0	82	2.3

(a) Preliminary.

(b) Revised.

Source: U.S. Dept. of Commerce, Survey of Current Business, Vol. 72, No.1, Table S-8, January 1992.

Personal Consumption Expenditures

(billions of dollars)

Station	1991	% Change 1991-1990 (a)	1990	% Change 1990-1989 (a)	1989	% Change 1989-1988	1988	% Change 1988-1987
Total Expenditures	$3,887	3.8%	$3,743	5.4%	$3,470	7.3%	$3,235	7.7%
Durable Goods	445	(4.5)	466	1.7	474	4.2	455	7.8
Automobiles & Parts	184	(9.8)	204	—	214	1.1	212	8.2
Furniture	172	—	173	1.7	174	7.2	162	10.6
Other Durable Goods	90	—	89	7.0	86	5.3	82	4.9
Nondurable Goods	1,251	2.7	1,218	6.3	1,123	6.7	1,052	5.5
Food	619	3.9	596	5.0	595	6.3	560	6.4
Clothing & Shoes	211	—	209	6.5	200	7.0	187	4.7
Gasoline & Oil	103	3.8	107	11.9	84	8.7	77	(0.2)
Fuel Oil & Coal	12	—	13	(0.5)	20	3.6	20	20.4
Other Nodurable Goods	307	4.4	294	8.9	224	6.9	210	4.7
Services	2,191	6.4	2,059	5.8	1,874	8.5	1,728	8.5

(a) Revised.

Source: U.S. Dept. of Commerce, Survey of Current Business, Vol.72, No.1, Table 2.2, January 1992.

Major Brand Retail Outlet Rankings

Company	No. of Outlets	1990 Ranking
1. Citgo	11,319	(5)
2. Exxon	10,876	(2)
3. Amoco	9,679	(4)
4. Chevron	9,242	(6)
5. Mobil	9,068	(8)
6. Unocal (a)	9,000	(3)
7. Shell	8,975	(7)
8. Star Enterprise	8,653	—
9. BP America	7,499	(10)
10. Phillips	7,474	(9)
11. Sun	5,854	(11)
12. Texaco (b)	4,934	(1)
13. Conoco	4,612	(12)
14. Fina	2,919	(14)
15. Total	2,776	(15)
16. Sinclair	2,490	—
17. Marathon	2,106	(17)
18. Getty	2,038	(16)
19. Diamond Shamrock	1,918	(19)
20. Ashland	1,848	(18)
21. Arco	1,626	(21)
22. Emro Marketing	1,590	—
23. Gulf (Cumberland Farms)	NA	(13)

(a) Includes UNO-VEN.
(b) Does not include Star Enterprise.
— = Not reported in 1990.

After several years of relative stability, the branded retail outlet rankings of the major and semi-major companies were scrambled considerably in 1991. Citgo, that scrappy refiner-marketer out of Tulsa, now wears the crown as the top-ranked U.S. retail marketer in terms of branded outlets supplied (a total of 11,319), having leaped from No. 5 in 1990 to No. 1 at the end of last year. Citgo added almost 1,600 units during the year.

However, perhaps an asterisk should be placed behind Citgo's listing, ala Roger Maris' home run record. This year, Texaco, which for many years claimed the top spot in the retail rankings, broke out its report into its Texaco Refining and Marketing and Star Enterprise component companies, and they are listed as they were reported. Adding up the two Texacos produces a total of 13,587 branded retail outlets.

More significant than the rankings is the continued downsizing of the majors' retail networks. Among the top 10 companies in the 1991 listing (counting Star/TRMI as one company), eight reported a combined loss of 5,245 units. Two companies added 1,654 outlets, with Citgo gaining 1,585 of those. Among the remaining companies, eight reported fewer outlets in 1991 and three reported adding units.

Company	Number of States		Branded Retail Outlets	
	1991	1990	1991	1990
Amoco	32	33	9,679	9,802
Arco	5	5	1,626	1,541
Ashland	18	18	1,848	1,968
BP America	33	33	7,499	7,531
Chevron	32	33	9,242	9,664
Citgo	46	46	11,319	9,734
Conoco (a)	36	37	4,612	4,915
Diamond Shamrock	8	8	1,918	1,914
Emro Marketing	16	—	1,590	—
Exxon	39	40	10,876	11,673
Fina	25	23	2,919	3,136
Getty	12	13	2,038	2,202
Gulf (Cumberland Farms)	NA	14	NA	3,994
Kerr-McGee	13	20	1,313	1,588
Marathon	9	9	2,106	2,132
Mobil	34	32	9,068	9,001
Phillips	29	29	7,474	7,907
Shell	41	41	8,975	9,389
Sinclair	21	20	2,490	2,612
Star Enterprise	25	—	8,653	—
Sun	27	28	5,854	6,019
Texaco (b)	49	24	4,934	15,111
Total	22	22	2,776	2,698
Unocal (c)	44	44	9,000	10,500

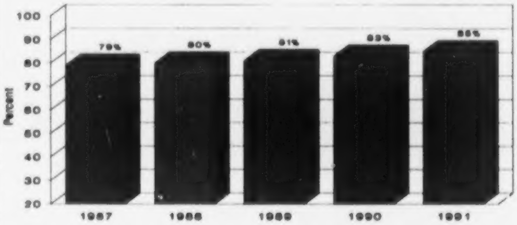
— = Not reported in 1990.
(a) 1989 figures.
(b) 1991 figures do not include Star Enterprise.
(c) Includes UNO-VEN.
Source: NPN questionnaires.

Self-Serve Preference Still Growing

American motorists are pumping their own gasoline at a record pace as self-serve gasoline sales reached 85% of all gasoline dispensed last year. That's a 2% hike from 1990, according to market research conducted by Amoco Oil Co., Chciago.

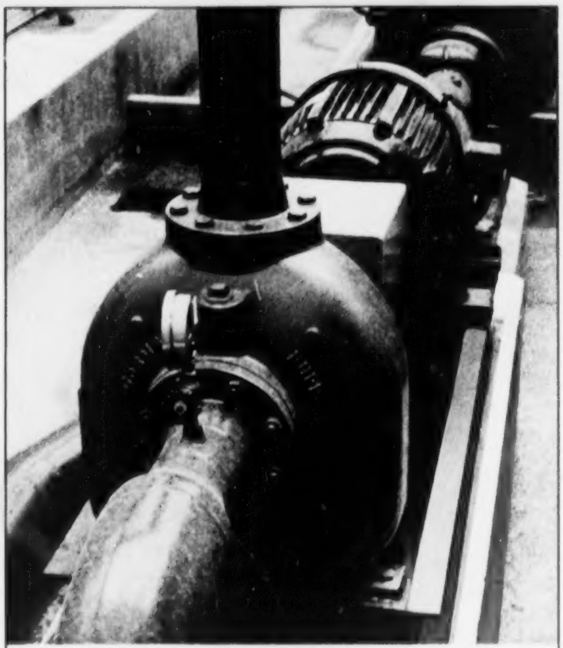
Competitive prices, quick service and the increasing availability of self-serve 24-hour service stations all contributed to the increase. The 1991 survey shows that self-serve market share in the U.S. increasing in 44 states and the District of Columbia. The largest gains were in New Hampshire and Pennsylvania, where market share in both states increased 6% to 77% overall.

Self-Serve Market Share—Total U.S.



Self-Serve Motorist Gasoline Market Share
(By State in Percent)

State	1991	1990	Chg.
Alabama	88	85	+3
Arizona	96	95	+1
Arkansas	89	87	+2
California	94	93	+1
Colorado	96	95	+1
Connecticut	81	77	+4
Delaware	92	88	+4
Dist. of Col.	91	89	+2
Florida	96	94	+2
Georgia	93	91	+2
Idaho	92	91	+1
Illinois	93	91	+2
Indiana	90	89	+1
Iowa	91	87	+4
Kansas	90	87	+3
Kentucky	84	83	+1
Louisiana	94	93	+1
Maine	65	62	+3
Maryland	90	89	+1
Massachusetts	62	57	+5
Michigan	92	90	+2
Minnesota	88	86	+2
Mississippi	89	86	+3
Missouri	90	88	+2
Montana	93	92	+1
Nebraska	87	83	+4
Nevada	95	94	+1
New Hampshire	77	71	+6
New Mexico	96	92	+4
New York	67	63	+4
North Carolina	93	91	+2
North Dakota	87	84	+3
Ohio	91	88	+3
Oklahoma	90	89	+1
Pennsylvania	77	71	+6
Rhode Island	73	71	+2
South Carolina	93	91	+2
South Dakota	85	83	+2
Tennessee	90	87	+3
Texas	95	93	+2
Utah	95	96	-1
Vermont	68	61	+7
Virginia	93	91	+2
Washington	95	94	+1
West Virginia	85	81	+4
Wisconsin	93	92	+1
Wyoming	87	87	NC



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C-Store Sales Edge Up, Profits Flat

There are pluses and minuses on the 1991 report card for the convenience store industry. Overall convenience store sales, paced by increases in gasoline revenues, edged up a notch from $74.5-billion in 1990 to $75.1-billion last year. However, a number of convenience store companies were apparently unable to convert store revenues into net earnings.

According to preliminary data from the *1992 State of the Convenience Store Industry* report from the National Assn. of Convenience Stores (NACS), total industry profit before taxes was zero in 1991. The NACS study points out that this is an improvement over 1990, when the industry had a combined loss of $149-million.

For the first time, the total industry C-store count declined from the previous year, from 71,200 in 1990 to 69,600 in 1991. New store construction dropped from 4.1% of the C-store base in 1991 to 1.4% last year. Almost 60% of new store openings in 1991 were in rural areas, NACS reports. Average cost of a new rural store was $620,000, compared to $965,000 for an urban location.

Per store sales increased for both gasoline (up 6.4%) and merchandise (plus 1.4%) in 1991. The average C-store had $576,000 in merchandise sales and $773,400 in gasoline sales.

C-Store Gross Margin

As a percent of sales

Survey Year	Gasoline Margin %	Non-Gasoline Margin %	Average Margin %
1990	10.4%	32.4%	20.7%
1989	11.7	32.1	21.8
1988	11.5	36.4	26.2
1987	10.6	35.9	24.4
1986	11.2	35.5	25.1
1985	7.3	32.2	22.8

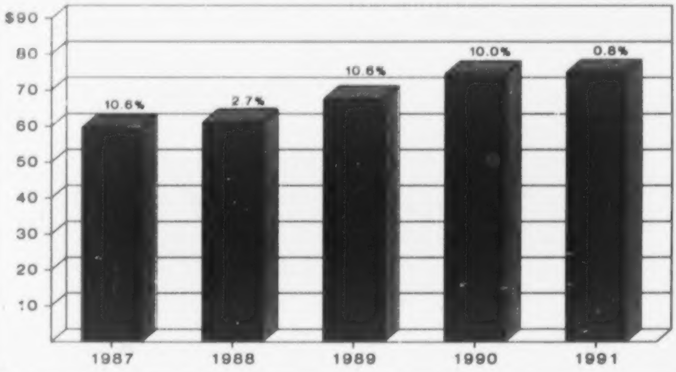
Top Ten Product Categories

As a percent of merchandise purchases

1.	Tobacco	24.9%
2.	Beer	12.7
3	Fast Food	12.1
4	Soft Drinks	9.1
5.	Milk & Milk Products	5.6
6.	Candy & Gum	5.2
7.	Salty Snacks	4.6
8.	Groceries	4.4
9	Publications	4.3
10	Bread & Cakes	3.7

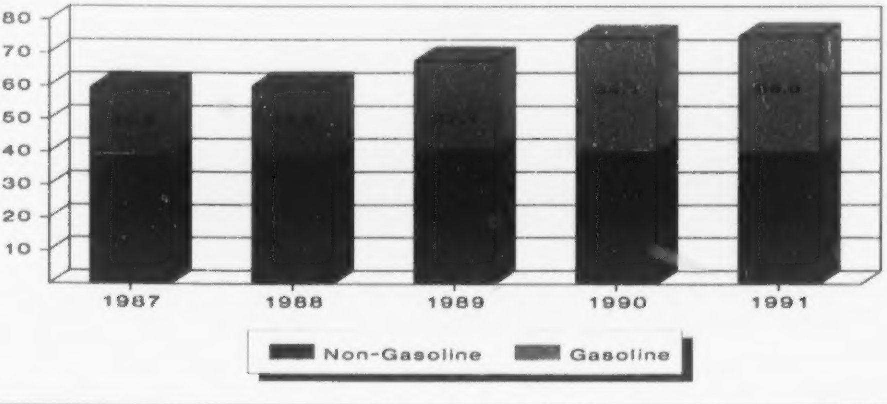
Total Convenience Store Industry Sales

Billions of dollars/percent change



Total Non-Gasoline vs. Gasoline Sales

Billions of dollars



Source: NACS 1992 State of the Convenience Store Industry.

Industry Averages by Product Category

Product	Percentage of Merchandise Purchases		Gross Margin Percentage		Inventory Turnover Rate	
	1991	1990	1991	1990	1991	1990
Cooler						
Beer	12.7%	14.2%	24.0%	24.0%	18.2	21.2
Soft Drinks	9.1	9.4	34.0	34.0	13.5	16.9
Juices	2.2	2.1	40.0	40.0	10.4	11.1
Milk & Milk Products	5.6	5.2	24.0	23.0	67.0	51.9
Packaged Deli	0.8	0.9	33.0	35.0	22.4	23.9
Produce	0.2	0.1	31.0	31.0	44.6	25.4
Eggs	0.2	0.1	29	22	16.9	16.9
Frozen						
Frozen Food	1.2	1.2	34.0	34.0	7.8	6.4
Ice Cream	1.6	2.5	39.0	38.0	11.7	13.0
Ice	0.8	0.8	57.0	58.0	16.8	13.8
Room Temp.						
Bread & Cakes	3.7	3.6	31.0	31.0	60.7	54.0
Cookies	0.7	0.5	35.0	36.0	9.1	12.5
Salty Snacks (Chips, Nuts, Etc.)	4.6	4.5	37.0	37.0	16.9	19.1
Candy & Gum	5.2	5.4	43.0	45.0	9.0	9.9
Groceries	4.4	2.9	34.0	33.0	5.9	7.0
Health & Beauty	2.5	2.5	37.0	39.0	4.9	5.2
Tobacco	24.9	24.0	25.0	26.0	13.5	14.1
Publications	4.3	4.2	20.0	21.0	13.7	13.9
Wine & Liquor	0.8	0.9	28.0	31.0	6.8	9.0
Auto & Motor Oil	0.9	0.7	38.0	38.0	11.6	8.6
General Merchandise	1.5	3.4	41.0	40.0	8.7	8.8
Fast Food						
Sandwiches (Fresh)	1.0	0.9	46.0	49.0	51.5	56.1
Sandwiches (Frozen)	0.9	1.0	39.0	39.0	15.0	16.0
Deli Services*	1.4	1.1	34.0	34.0	43.5	34.1
Food Cooked On-Site	0.5	1.0	48.0	36.0	65.2	45.2
Fountain Drinks	3.4	3.5	59.0	59.0	29.8	17.7
Frozen Beverages	0.9	0.6	57.0	53.0	28.6	10.9
Hot Beverages	2.6	2.4	71.0	68.0	33.6	16.5
Other Fast Food	1.4	0.4	43.0	16.0	33.9	12.1
Total Merchandise	**100%**	**100%**	**33%**	**32%**	**11.5**	**11.4**

---

* Except Sandwiches.

Source: National Assn. of Convenience Store (NACS) 1992 State of the Convenience Store Industry report.

Comparison of Profits and Losses, 1990 — 1991

(Percent of Total Sales)

	11-50 stores		51-100 stores		101-500 stores		501+ stores		Average	
	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990
Merchandise Sales	37.1%	32.0%	45.4%	49.5%	59.5%	41.5%	60.3%	57.1%	53.4%	54.2%
Gasoline Sales	62.9	68.0	54.6	50.5	40.5	58.5	39.7	42.9	46.6	45.8
Total Sales	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**
Cost of Goods Sold	83.0	83.2	79.8	78.6	76.5	80.8	76.2	75.8	79.2	79.3
Gross Profit	17.0	16.8	20.2	21.4	23.5	19.2	23.8	24.2	20.8	20.7
Direct Store Operating Expense	14.6	13.3	16.4	18.1	19.7	15.4	20.6	19.8	17.6	16.9
Store Operating Income	2.4	3.5	3.8	3.3	3.8	3.8	3.2	4.4	3.2	3.8
Corporate G & A	(2.4)	(2.8)	(3.0)	(3.2)	(3.7)	(2.9)	(4.0)	(4.4)	(3.2)	(3.4)
Other Income	1.3	1.0	1.5	1.4	1.2	1.0	1.2	1.0	1.3	1.1
Other Expense	(0.1)	(0.1)	(0.8)	(0.2)	(0.4)	(0.4)	(0.3)	(0.4)	(0.4)	(0.2)
Profit Before Interest Expense	1.2	1.6	1.5	1.3	0.9	1.5	0.1	0.6	0.9	1.3
Interest Expense	(0.6)	(0.4)	(0.5)	(0.7)	(1.4)	(1.4)	(1.4)	(3.2)	(0.9)	(1.5)
Pretax Profit (Loss)	0.6%	1.2%	1.0%	0.6%	(0.5%)	0.1%	(1.3%)	(2.6%)	0.0%	(0.2%)

Note: "Other Expense" excludes financial restructuring charges.

Source:* *NACS 1992 State of the Convenience Store Industry report.

Percent of Stores Offering Specialty Products, Services

	11-50 stores		51-100 stores		101-500 stores		501+ stores		Average	
	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990
Specialty Products Offered										
Service Deli	17%	27%	32%	27%	51%	20%	32%	39%	34%	35
On-Premise Bakery	10	7	7	9	3	2	5	7	6	6
Fried Chicken	13	12	10	8	3	2	1	7	3	6
Hamburgers										
Cooked On-Site	5	—	2	—	2	—	<1	—	1	—
Frozen	18	—	20	—	38	—	55	—	47	—
Hot Dogs	59	72	62	63	72	54	66	78	66	74
Pizza	10	15	8	16	14	11	11	15	11	14
Services Offered										
Air Hose	76	NA	72	NA	48	NA	24	NA	43	NA
Automated Teller Machines	5	1	8	7	13	8	7	14	8	12
Check Cashing	34	49	48	50	59	73	23	41	35	46
Credit Cards	86	90	79	80	44	73	74	68	70	71
Debit Cards	13	14	22	28	0	8	<1	19	6	18
Dry Cleaning	<1	2	<1	<1	0	3	0	0	<1	<1
Event Tickets	4	8	7	4	11	11	2	3	4	4
Film Processing	3	1	2	3	7	8	1	0	2	1
Food Stamp Acceptance	58	53	71	73	85	77	67	36	70	45
Lottery Tickets	53	53	53	63	62	72	77	56	70	59
Manufacturer Coupon Acceptance	85	88	97	98	99	100	99	96	97	96
Microwave Equipment	92	95	93	79	87	82	90	95	90	92
Money Orders	58	61	71	73	80	65	77	79	75	75
Seating for Fast Food	22	27	13	12	8	8	2	3	6	6
Scrip Machine	0	NA	3	NA	0	NA	0	NA	<1	NA
Vending Machines	10	16	6	18	26	33	8	2	11	8
Video Games	13	19	26	31	24	31	54	57	44	50
Video Rentals	17	23	10	13	17	25	14	17	14	18
Parking/Access (a)										
No parking, but convenient pedestrian access	3	5	2	—	9	2	11	8	7	6
1-10 Striped Spaces	67	53	69	51	56	65	82	53	71	55
10+ Striped Spaces	30	43	29	48	35	33	7	6	22	39

(a) Does not include parking at pumps.

Source: NACS 1992 State of the Convenience Store Industry report.

Average Investment Per New Convenience Store

	1991		1990		1989		1988		1987	
Investment	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural
Property										
Land	$294,000	$169,000	$298,300	$178,000	$375,300	$179,500	$350,500	$148,000	$266,000	$141,500
Building	331,900	198,000	264,300	194,700	278,200	183,200	199,150	156,500	181,300	152,800
Equipment										
Fast Food	44,300	25,000	48,000	16,600	33,900	23,100	21,900	17,100	22,100	17,700
Gasoline	173,100	125,000	153,900	107,500	118,300	103,900	84,500	95,200	84,900	85,300
Merchandise	54,300	65,000	54,500	41,000	51,700	38,000	65,600	62,500	64,500	51,500
Total	**271,700**	**215,000**	**256,400**	**165,100**	**203,900**	**165,000**	**172,000**	**174,800**	**171,500**	**154,500**
Inventory	**67,500**	**53,000**	**63,400**	**41,200**	**61,300**	**43,800**	**51,600**	**53,400**	**64,000**	**53,200**
Total Investment	**$965,100**	**$635,000**	**$882,400**	**$579,000**	**$918,700**	**$571,500**	**$773,300**	**$532,700**	**$682,800**	**$517,400**

Source: NACS 1992 State of the Convenience Store Industry report.

National Petroleum News'

Company	H.Q. Location	C-Store Name	No. of States Where Stores Are Located	Company Operated	Franchise Operated
ABC Discount Stores	**Honolulu, HI**	**ABC Stores/MNS Limited**	**1**	**48**	**0**
Acme Petroleum Fuel Co. Inc.	**Gastonia, NC**	**Handy Pantry Food Store**	**2**	**76**	**0**
Adena Minit Markets	**Douglas, GA**	**Aden's Minit Market**	**3**	**39**	**0**
Aldin Associates	**East Hartford, CT**	**Chucky's Food Store**	**1**	**31**	**0**
Allen Stop N Shops Inc.	Kingsville, TX	Stop-N-Shop/Jolly Rogers	2	55	0
Allsup's Convenience Stores Inc.	Clovis, NM	Allsup's Convenience Store	3	305	0
Amerada Hess Co.	Woodbridge, NJ	Hess Mart	5	127	0
American Accessories Inc.	Beckley, WV	Little General	2	30	4
American Personnel Service	**Pleasanton, CA**	**APSI/Chevron Food Mart**	**6**	**64**	**0**
Amoco Oil Co.	**Chicago, IL**	**Amoco Food Shop**	**27**	**268**	**1,356**
Arco Products Co.	**Los Angeles, CA**	**am/pm Mini Market**	**5**	**N/A**	**N/A**
Arkansas Valley Petroleum Corp.	**Tulsa, OK**	**Git-N-Go**	**2**	**0**	**15**
Ashland Oil, Inc.	Ashland, KY	SuperAmerica	17	624	38
Atlas Oil Co.	East Hartford, CT	Atlas Store	2	18	0
Aztex Enterprises	Knoxville, TN	Aztex	1	21	0
B & B Cash Grocery Stores	Tampa, FL	Handy Food Store	1	33	0
Baron Oil Co.	**Jacksonville, FL**	**Baron Convenient Plus**	**1**	**24**	**0**
Beird Co.	**Boise, ID**	**Go-Fer**	**1**	**6**	**0**
Bearden Oil Co.	**Eastman, GA**	**Shorty's Quick Shop**	**1**	**8**	**3**
Beck Suppliers	**Sandusky, OH**	**Friendship Convenience Store**	**1**	**2**	**0**
Bedford Valley Petroleum Corp.	Everett, PA	RG's Food Shop	3	6	0
Bell Fuels, Inc.	Chicago, IL	Road Pilot/Road Pantry	1	9	0
Berwick Bay Oil Co. Inc.	Morgan City, LA	Friends/Delta Mart	2	38	2
Best Oil Co.	Pittsburgh, PA	Toot-N-Scoot	2	19	0
Big Apple Food Stores	**South Paris, ME**	**The Big Apple**	**2**	**43**	**0**
Bi-Rite Petroleum, Inc.	**St. Louis, MO**	**Coastal Mart**	**1**	**3**	**0**
Blaze Oil Co.	**Casper, WY**	**Common Cents**	**1**	**5**	**0**
Boardman Petroleum Inc.	**Augusta, GA**	**Smile Gas**	**5**	**50**	**0**
Bosselman's Oil Co.	Grand Island, NE	Pump & Pantry	1	34	0
BP America, Inc.	Cleveland, OH	BP Shop	15	800	0
Bradley, Inc.	Denver, CO	Bradley Food Mart	2	19	0
Broken Hill Prop./Pacific Resources	Honolulu, HI	Express Mart	1	N/A	N/A
Brooks Food Markets	**Minnetonka, MN**	**Brooks Food Market**	**1**	**32**	**2**
C.R. Brown Oil Co.	**Grand Junction, CO**	**Go-Fer Foods**	**3**	**3**	**16**
Browning Oil Co.	**Bowling Green, KY**	**Shell Food Mart**	**1**	**10**	**3**
Burgess Marketing, Inc.	**Waco, TX**	**Various**	**1**	**N/A**	**N/A**
Bursaw Oil Corp.	Danvers, MA	Pump 'N Pantry	1	8	0
By-Lo Oil Co.	Port Huron, MI	Speedy Q Market	1	15	0
California-Fresno Oil Co.	Fresno, CA	Food Store	1	2	0
Callahan Oil Co.	New London, CT	Grampy's	6	22	0
Camp Oil Co.	**Rome, GA**	**Smile/Sav-A-Ton**	**9**	**45**	**0**
Campbell Oil Co.	**Massilon, OH**	**Spee D Foods**	**1**	**11**	**28**
Cannon Oil Corp.	**Dothan, AL**	**Cannon**	**3**	**16**	**0**
Casey's General Stores, Inc.	**Des Moines, IA**	**Casey's**	**8**	**0**	**202**
Cel Oil Products Corp.	North Charleston, SC	Unocal Mart	1	7	0
CENEX Petroleum, Inc.	St. Paul, MN	Cenex C-Store/Town Mart	12	20	289
Centennial Liquor Stores	Dallas, TX	Quik Shop	1	9	0
Center Independent Oil Co.	Smock, PA	Sweet Peas	1	5	0
Certified Oil Co.	**Columbus, OH**	**Certified Mini Mart**	**1**	**18**	**0**
CF Marts of Pennsylvania	**Clarks Summit, PA**	**Convenient Food Mart**	**1**	**4**	**23**
CFM Development Corp.	**Wheeling, WV**	**Convenient Food Mart**	**2**	**1**	**28**
Champlain Oil Co.	**South Burlington, VT**	**Colonial Deli Mart**	**4**	**74**	**0**
Chapman, Inc.	Sherman, TX	Food Mart	1	5	10
Chevron USA, Inc.	San Francisco, CA	Chevron FoodMart	25	516	514
Chico Dairy, Inc.	Morgantown, WV	Dairy Mart Foods	4	39	0
Chiles Oil, Inc.	Pulaski, TN	Snappy's/Parkway Market	1	2	0
CHR Corp.	**York, PA**	**Rutter's Farm Store**	**1**	**51**	**0**
Christy's Markets, Inc.	**Brockton, MA**	**Christy's**	**4**	**116**	**18**
Circle C Food Stores	**Huntsville, AL**	**Circle C Food Store**	**1**	**N/A**	**N/A**
The Circle K Corp.	**Phoenix, AZ**	**Circle K Convenience Store**	**32**	**0**	**63**
Citgo Petroleum Corp.	Tulsa, OK	Quik Mart/Citgo Quick Mart	2	15	0
Clark Oil & Refining Corp.	St. Louis, MO	Clark	12	N/A	N/A
Clipper Petroleum, Inc.	Gainesville, GA	Circle M Food Mart	1	19	0
Cloud Enterprises, Inc.	Pell City, AL	Cloud Cupboards	1	29	0
Coastal Refining and Marketing, Inc.	**Houston, TX**	**Coastal Mart**	**28**	**N/A**	**N/A**
CoCo Marts, Inc.	**Burlington, VT**	**Jiffy Mart**	**3**	**17**	**0**
CoGo's Co.	**Pittsburgh, PA**	**CoGo's**	**1**	**65**	**0**
Colonial Oil Industries, Inc.	**Savannah, GA**	**Enmark**	**3**	**7**	**0**
Comet Oil Co.	Savannah, GA	Comet	2	2	0
Como Oil Co.	Duluth, MN	Milk House	2	3	12
Conoco Inc.	Houston, TX	Conoco/Jet	22	N/A	N/A
Consumers Gasoline Stations, Inc.	Nashville, TN	Scott/Consumer	3	45	0

KEY: N/A Precise figures not disclosed by company ? Plan to add C-stores, but exact number unknown — Does not pertain

Convenience Store Summary

1989 Total	1990 Total	1991 Current	1991 Projected	Additions Projected in 1992	Number With Gasoline	Avg. Gasoline Volume Per Store/Per Month		Size (Sq. Ft.)	
						Mini	Full	Mini	Full
N/A	N/A	48	?	3	3	—	N/A	—	2,500
95	90	76	69	0	71	N/A	N/A	800	2,000
33	39	39	N/A	0	39	N/A	N/A	N/A	N/A
N/A	31	31	?	?	24	—	N/A	—	N/A
55	63	55	62	0	55	—	80,000	—	3,200
300	305	305	305	0	305	N/A	N/A	600	2,400
N/A	100	127	140	20	127	—	150,000	—	1,200
25	30	34	36	1	33	N/A	N/A	900	2,000
N/A	N/A	64	69	5–10	64	220,000	—	N/A	—
1,200	1,902	1,847	N/A	N/A	1,847	120,000	—	1,000	—
720	731	752	N/A	N/A	746	N/A	N/A	800	1,800/1,900
13	14	15	15	0	15	—	60,000	—	2,400
595	601	662	N/A	N/A	600	—	N/A	N/A	1,800/4,000+
N/A	18	18	18	0	18	150,000	—	700/800	—
36	31	21	21	0	21	100,000	60,000	800	1,500
37	34	33	35	?	31	N/A	N/A	N/A	N/A
N/A	16	24	50	0	24	—	N/A	—	1,500
5	6	6	7	1	N/A	75,000	75,000	800	1,300/3,000
N/A	11	11	11	0	11	—	N/A	—	1,800/2,000
0	1	2	2	1	2	—	150,000	—	1,800
2	5	6	8	1–2	6	50,000	55,000	800	1,400
8	10	9	9	0	9	N/A	N/A	500	N/A
40	38	40	41	1	38	53,000	53,000	800	2,000
14	18	19	19	0	19	N/A	N/A	N/A	N/A
N/A	38	43	47	5	43	—	35,000	—	1,200
3	3	3	5	2	3	50,000	100,000	900	1,300
5	5	5	5	1	5	N/A	N/A	800	2,500
27	42	50	52	3	44	150,000	200,000	600	2,000
N/A	33	34	35	?	34	—	50,000	—	2,400
700	750	800	825	35	800	150,000	150,000	650	1,200
19	19	19	?	?	19	—	180,000	—	1,800
N/A	N/A	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A
27	30	32	34	3–5	30	—	60,000	—	3,000
N/A	19	19	21	2	19	—	65,000	—	2,400
10	13	13	14	1	13	59,000	79,000	800	1,500
N/A	N/A	50	N/A	N/A	50	N/A	N/A	N/A	N/A
6	8	8	10	?	8	N/A	N/A	800	2,400
N/A	N/A	15	?	?	13	—	N/A	—	N/A
1	2	2	2	—	—	165,000	125,000	900	2,700
N/A	21	21	22	3	22	—	80,000	—	up to 6,000
N/A	47	45	46–49	?	47	N/A	N/A	N/A	1,800/2,400
45	45	39	?	?	14	75,000	80,000	—	2,300/3,300
16	16	16	16	0	16	—	75,000	—	1,800
732	769	781	800	30	781	—	38,000	—	2,375
N/A	6	7	N/A	?	7	—	125,000	—	N/A
225	309	309	337	27	309	38,000	60,000	800	2,200
8	9	9	?	?	5	N/A	N/A	N/A	N/A
4	4	5	?	?	5	—	—	—	—
N/A	15	18	22	?	18	—	N/A	—	2,400
27	26	27	3	3–5	6	—	N/A	—	3,200
29	29	29	31	1–3	1	—	N/A	—	3,500
53	72	74	8	0	74	50,000	45,000	—	2,400
15	15	15	18	3	15	40,000	60,000	800	1,500
N/A	1,030	1,030	1,080	50	1,030	150,000	150,000	600	1,200
39	39	39	36	3	33	N/A	—	N/A	—
2	2	2	2	0	2	—	25,000	—	2,100
49	51	51	52	3	32	—	58,000	—	2,400
N/A	132	134	136	10	32	—	50,000	—	2,600
N/A	34	30	?	?	29	—	11,000	—	1,400
4,664	4,783	3,859	3,600	0	3,186	30,000	40,000	900	2,800
N/A	16	15	15	?	15	125,000	200,000	400	2,400
N/A	N/A	905	N/A	N/A	905	N/A	—	300/900	—
N/A	19	19	20	1	18	100,000	75,000	900	2,350
N/A	59	29	29	?	29	—	N/A	—	2,000
N/A	N/A	572	N/A	N/A	572	60,000	60,000	N/A	2,000
N/A	16	17	16	1–2	15	—	35,000/40,000	—	2,400/2,800
N/A	65	65	68	3	22	—	N/A	—	2,400
6	6	7	6	0	6	100,000	200,000	500	3,000
2	2	2	2	0	2	35,000	—	500	—
12	15	15	16	0	15	—	55,000	—	1,800
477	476	476	494	17	476	91,000	—	1,000	—
N/A	43	45	45	?	45	45,000	N/A	N/A	N/A

C-Store Summary (Cont.)

Company	H.Q. Location	C-Store Name	No. of States Where Stores Are Located	Company Operated	Franchise Operated
Consumers Oil	Trenton, NJ	Hightstown Texaco	1	0	1
Con Sun Food Industries	Elyria, OH	Convenient Food Mart	1	14	22
Contemporary Industries Corp.	Omaha, NE	7-Eleven	7	93	22
Convenience Marketers Inc.	Bessemer, AL	JR. Food Mart	2	23	0
Convenient Food Mart	Schaumburg, IL	Convenient Food Mart	16	30	449
Convenient Petroleum Corp.	East Hartford, CT	Petro Panty Foods	1	9	0
Country Cupboard Food Stores, Inc.	Dawsonville, GA	Country Cupboard	1	41	0
Country Fair, Inc.	Erie, PA	Country Fair	3	N/A	N/A
Cox Oil Co.	Union City, TN	Little General	1	24	0
Cracker Barrel Stores, Inc.	Baton Rouge, LA	Cracker Barrel	1	61	0
Crown Central Petroleum Corp.	Baltimore, MD	Crown/Fast Fare/Zippy Mart	9	467	97(a)
Crown Oil Co.	Minneapolis, MN	E-Z Stop	3	26	0
Crystal Flash Petroleum	Indianapolis, IN	CF Deli Bake	1	24	0
Cumberland Farms, Inc.	Canton, MA	Cumberland Farms	11	1,118	0
Curt's Oil Co., Inc	Muskogee, OK	Curt's	3	13	0
Curtis Parker Oil Co. Inc.	Shreveport, LA	Various	1	4	0
Dairy Mart Convenience Stores	Enfield, CT	Dairy Mart Convenience Store	11	724	465
Davis Co. Inc.	Perry, GA	Qwik Stop Food Plus	1	20	0
J.M. Davis Inc.	Morehead City, NC	Jim Dandy/Handy House	1	19	0
Day & Night Food Stores, Inc.	Vestal, NY	Day & Night Food Store	1	18	0
Dead River Oil Co.	Rumsford, ME	Food Trends	2	9	0
DeBlois Oil Co.	Providence, RI	DB Mart	2	29	0
Delicatessen Dist. Inc.	Pittsburgh, PA	Isaly's Store	2	0	20
Delta Sonic Carwash Sytstems	Buffalo, NY	Kiss Mart	2	19	0
Diamond Shamrock	San Antonio, TX	Corner Store	3	N/A	N/A
Dickey Inc.	Packwood, IA	Dickey Prairie Home	1	1	0
Dilmer Oil Co.	Latta, SC	Food Chief C-Store	1	22	0
District Petroleum Products	Sandusky, OH	Hy-Miler Food Store	1	23	2
Dixie Oil Co.	Tifton, GA	Dixie Food Store	3	68	0
Down East Energy Co.	Brunswick, ME	Puffin' Stop	2	22	0
Drakes Refinery Stations	Lansing, MI	Drakes Market Plus	1	16	0
Dunn Oil Co.	Salt Lake City, UT	Dunn's Kwik	1	6	0
East Coast Oil Corp.	Richmond, VA	East Coast	1	35	0
Eastern Fuels, Inc.	Ahoskie, NC	Red Apple	2	43	0
Emro Marketing Co.	Springfield, OH	Speedway/Starvin Marvin/Bonded/ ECOL/Port/United/Checker/Gastown	16	1,168	0
Englefield Oil Co.	Newark, OH	Duchess Shoppe	2	53	0
Entrepreneur Inc.	Wilmington, NC	Scotchman's Store	5	159	0
Erickson Oil Products, Inc.	Hudson, WI	Freedom Value Center	4	45	0
Evans Group	Lebanon, NH	Evans Express Mart	2	7	0
Ever Ready Oil Co.	Albuquerque, NM	Various	1	10	0
Express Lane, Inc.	Panama City, FL	Express Lane	2	30	0
Exxon Company, USA	Houston, TX	Exxon Shop	27	346	350
EZ Mart Stores, Inc.	Texarkana, TX	EZ Mart	5	324	0
E-Z Serve Inc.	Kingsville, TX	Stop-N-Shop	1	55	0
Farm & Home Oil Co.	Telford, PA	Farm & Home Corner Store	1	5	0
Farm Fresh, Inc.	Wheeling, WV	Farm Fresh, Inc.	2	17	0
Farmland Industries	Kansas City, MO	AmPride	9	6	20
Farm Stores, Inc.	Miami, FL	Farm Store	1	228	0
Fas Mart Convenient Stores	Mechanicsville, VA	Fas Mart	1	42	0
Favorite Market	Dalton, GA	Favorite Market	3	N/A	N/A
Fearless Farris Oil Co.	Boise, ID	Handi Mart	3	32	0
FINA Oil & Chemical Co.	Dallas, TX	FINAMART	7	148	0
FKG Oil Co.	Belleville, IL	Moto Mart	6	51	0
Flash Foods, Inc.	Waycross, GA	Flash Foods	2	94	0
Fleming Petroleum, Inc.	Pittsburg, KS	Short Stop	1	4	0
Fleet Oil Co.	Norcross, GA	Fleet	2	7	6
Flying J, Inc.	Brigham City, UT	Flying J, Inc.	8	35	3
Food N Fuel Inc.	Harvard, IL	Food N Fuel	1	3	1
Food Spot Management	Miami, FL	Food Spot	1	N/A	N/A
Foster Oil Co.	Richmond, MI	Sunrise Convenience Store	1	19	0
Four Star Service Stations, Inc.	Grand Rapids, MI	Four Star Service Stations Store	1	10	0
Fresh Way Food Stores	Greenville, NC	Fresh Way Food Store	1	22	0
H.N. Funkhouser & Co.	Winchester, VA	Handy Mart	1	11	0
Garb Co Inc.	Saginaw, MI	7-Eleven Food Store	4	N/A	N/A
Gas America Services, Inc.	Shirley, IN	Gas America	2	40	0
Gasco Gasoline, Inc.	Oxnard, CA	Gasco Mart	2	N/A	—
Gas Mart	Elizabethtown, NC	Minute-Man Food Mart	1	11	0
Gas N Shop Inc.	Lincoln, NE	Gas-N-Shop	2	N/A	N/A
Gate Marketing	Jacksonville, FL	Gate Food Post	9	128	0
Geldbach Petroleum Co., Inc.	Valley Park, MO	Stop Buy	1	2	0
General Oil	Batesville, AR	Quik Mart	1		
Getty Petroleum Corp.	Plainview, NY	Getty Mart	10	135	174
Giant Industries, Inc.	Phoenix, AZ	Giant Food Store	3	44	0
Golden Gallon, Inc.	Chattanooga, TN	Golden Gallon	2	105	0
Golden Pantry Food Stores	Athens, GA	Golden Pantry Food Stores	2	97	0
Golub Corp.	Schenectady, NY	Mini Chopper	1	5	0
Go-Mart, Inc.	Gassaway, WV	Go-Mart Food Stores	3	64	0
Good Time Stores	El Paso, TX	Good Time Stores	1	41	0
Gresham Petroleum, Inc.	Indianola, MS	Double Quick	2	28	0

1989 Total	1990 Total	1991 Current	1991 Projected	Additions Projected in 1992	Number With Gasoline	Avg. Gasoline Volume Per Store/Per Month		Size (Sq. Ft.)	
						Mini	Full	Mini	Full
N/A	3	1	1	0	1	70,000	—	500	—
38	37	36	36	?	4	—	45,000	—	4,000
N/A	115	115	?	?	109	N/A	N/A	N/A	2,400
36	27	23	0	0	22	—	15,000	—	1,800
N/A	491	479	481	8	79	—	44,000	—	3,000
9	9	9	9	?	9	—	100,000	—	1,800
39	41	41	41	?	41	—	42,500	—	2,400
N/A	N/A	50	N/A	N/A	48	N/A	N/A	N/A	N/A
23	25	24	23	3	23	N/A	50,000	900	2,300
56	58	61	59	0	59	15,250	N/A	500	2,800
580	605	564	548	20	556	108,600	31,500	408	2,500
24	24	26	27	2	26	—	N/A	—	2,000
24	25	24	24	0	24	60,000	100,000	600	2,000
1,075	1,100	1,118	?	?	765	N/A	N/A	N/A	N/A
13	13	13	13	0	13	120,000	—	700	—
4	4	4	4	?	4	16,000	27,500	N/A	N/A
N/A	1,189	1,189	1,170	20	458	—	35,500	—	2,400
N/A	19	20	24	4	20	95,000	75,000	300	2,000
20	19	19	19	?	18	N/A	N/A	N/A	N/A
18	18	18	18	1	17	—	44,000	—	1,800
9	9	9	9	1–2	9	—	80,000	—	1,000/1,500
12	16	29	29	?	29	—	65,000	—	2,200
24	20	20	20	0	2	—	N/A	—	2,000
17	19	19	19	3	19	N/A	N/A	500	1,700
617	680	763	?	?	763	75,207	93,202	796	1,600
N/A	N/A	1	?	?	1	N/A	N/A	N/A	N/A
15	21	22	24	?	22	N/A	N/A	N/A	N/A
N/A	N/A	25	?	?	25	—	N/A	—	N/A
N/A	68	68	69	2	68	—	N/A	—	2,400
17	19	22	24	2	22	N/A	N/A	900	1,800
17	18	16	16	?	15	35,000	60,000	700	2,400
10	8	6	6	—	6	—	63,000/82,000	—	2,400/3,000
N/A	N/A	35	N/A	?	35	N/A	N/A	N/A	N/A
N/A	41	43	43	0	42	—	N/A	—	2,500
1,600	1,668	1,668	?	?	1,668	104,000	145,000	500/1,000	3,375
48	51	53	4–6	4–6	53	N/A	88,000	800	1,500/2,000
N/A	159	159	159	0	159	N/A	N/A	600	3,000
45	45	45	47	3	45	—	80,000	—	2,700
N/A	7	7	7	1	7	50,000	160,000	N/A	1,800
10	10	10	11	?	10	N/A	N/A	N/A	1,400
N/A	30	30	32	2	30	—	40,000	—	2,400
450	689	696	?	?	696	—	N/A	—	1,100
296	290	324	325	20	319	—	N/A	—	2,000
55	55	55	?	?	55	—	50,000	—	2,400
8	5	5	6	2	5	100,000	120,000	1,000	1,200
N/A	17	17	17	0	11	—	N/A	—	2,000
7	18	26	29	?	26	70,000	90,000	850	2,400
N/A	261	228	227	0	78	8,000	25,000	600	2,400
N/A	41	42	46	3	42	—	90,000	—	2,500
N/A	84	86	90	?	83	—	N/A	—	N/A
28	29	32	32	3–5	32	—	N/A	—	1,600/2,200
157	150	148	155	?	148	85,000	120,000	800	2,200
35	50	51	53	2	51	—	120,000	—	2,400
96	98	94	95	5	94	—	50,000	—	2,450
4	4	4	5	0	4	25,000	95,000	800	2,300
16	17	13	13	?	13	—	N/A	—	1,500
35	35	38	39	?	38	—	N/A	—	2,200
4	4	4	0	1	4	—	120,000	—	2,000
N/A	42	40	43	?	5	—	40,000	—	2,400
13	19	19	19	1	19	N/A	N/A	900	2,500
11	10	10	?	?	10	70,000	350,000	1,000	N/A
24	22	22	23	1	21	—	56,000	—	2,400
8	10	11	12	0	11	—	100,000	—	2,400
N/A	N/A	159	?	?	18	—	N/A	—	N/A
N/A	40	40	40	0	40	N/A	N/A	N/A	1,500
10	13	N/A	?	?	11	100,000	150,000	N/A	N/A
N/A	11	11	11	1	11	65,000	57,000	900	1,000+
N/A	36	40	?	?	40	—	50,000	—	N/A
N/A	128	128	128	3	115	N/A	N/A	—	2,000
1	2	2	2	1	2	—	N/A	—	1,800
33	29	31	?	?	?	—	50,000	—	1,400/3,000
454	578	561	575	?	521	37,500	37,500	600	1,800
20	30	44	44	?	44	—	N/A	—	2,500
N/A	105	105	112	?	96	—	100,000	—	N/A
N/A	N/A	97	?	?	97	—	N/A	—	N/A
5	5	5	5	5	5	—	40,000	—	1,000
N/A	60	64	69	5	64	—	170,000	—	2,650
39	41	41	41	0	40	—	N/A	—	2,400
26	28	28	30	2	27	—	33,000	—	1,600

C-Store Summary (Cont.)

Company	H.Q. Location	C-Store Name	No. of States Where Stores Are Located	Company Operated	Franchise Operated
Gull Industries Inc.	**Seattle, WA**	**Express Home Quik Stop**	3	20	12
Guttman Oil Co.	**Belle Vernon, PA**	**Crossroad Food Mart**	1	27	0
Hallum Oil Co.	**Flagstaff, AZ**	**Hallum Store**	11	11	0
Handee Marts Food Stores	**Travelers Rest, SC**	**Handy Mart**	1	18	0
Handy Andy Pantries	Chattanooga, TN	Handy Andy Pantry	2	24	0
Happy Food Stores, Inc.	Oklahoma City, OK	Happy Food Store	1	20	0
Harper Oil Co.	Springfield, IL	Harper	1	22	0
Harris Oil Co.	Portland, OR	Shell Food Mart/BP Food Mart	1	—	2
Hawaiian Independent Refinery, Inc.	**Honolulu, HI**	**Gas Express**	1	29	0
Hawk Oil Co.	**Medford, OR**	**Tiger Mart**	1	2	0
Herdrich Petroleum Corp.	**Rushville, IN**	**Food Mart**	1	17	0
Herkimer Petroleum Products	**Utica, NY**	**Nice N Easy Grocery Shoppe**	1	23	0
A.W. Herndon Oil Co.	Abbeville, AL	Herndon Oil Co.	2	20	0
Herndon Oil Corp.	Abbeville, AL	Super C/Midi Mart/Shell Food Mart	3	36	0
Highs Dairy Stores	Alexandria, VA	High's Dairy Store	5	192	0
Angus I. Hines, Inc.	Suffolk, VA	Sentry Food Mart	3	32	0
Holiday Oil Co.	**West Valley City, UT**	**Holiday Oil**	1	24	0
Holiday Station Stores Inc.	**Minneapolis, MN**	**Holiday Station Store**	7	222	20
Holland Oil Co.	**Akron, OH**	**Gas N Shop**	1	31	0
Honey's Inc.	**Worchester, MA**	**Honey Farms**	N/A	43	—
Horkey Oil Co., Inc.	Lubbock, TX	Friend's Convenience Store	1	21	0
Howdy Doody Inc.	Denton, TX	Howdy Doody, Inc.	1	0	20
Hudson Oil Co.	Tulsa, OK	Hudson	2	11	0
Hughes Energy, Inc.	Daytona Beach, FL	Sugarcreek	1	9	0
Hull Oil Co.	**Panama City, FL**	**JR Food Mart/Hull**	1	6	0
Huntley Jiffy Stores	**Orange Park, FL**	**Lil' Champ Food Store**	2	480	0
Imperial Oil Co.	**Mt. Pleasant, MI**	**Next Door Food Store**	2	36	2
Independent Retailers Assn.	**Conroe, TX**	**Independent Retailers Assn Coop, Inc.**	1	38	0
Iowa Oil Co.	Dubuque, IA	IOCO Speede Shoppe	3	30	7
J & L Oil Co.	Vernon Hills, IL	J & L Food Mart	3	29	0
Jaco Oil Co.	Bakersfield, CA	Fastrip Food Store	2	10	25
Jacobus Petroleum Products, Inc.	Milwaukee, WI	Jiffy Stop	1	9	3
JFM, Inc.	**Jackson, MS**	**JR Food Mart**	18	110	340
Jiffy Food Stores	**Ocala, FL**	**Jiffy Food Store**	1	20	0
Jiffy Marts	**Christiansted, VI**	**Jiffy Mart**	3	17	0
Jim Dandy Markets, Inc.	**Nashville, TN**	**Jim Dandy Markets Inc.**	1	32	0
Johnny's Quik Food	Fresno, CA	Johnny's Quik Food Store	1	23	0
Johnson Oil Co.	Columbus, IN	Big Foot	2	62	0
R.L. Jordan Oil Co. of No. Carolina, Inc.	Spartanburg, SC	Hot Spot	3	36	0
Junior Food Stores	Crestview, FL	Tom Thumb Food Store	2	104	0
Jr. Food Stores, Inc.	**Bowling Green, KY**	**JR Food Store**	2	54	0
Kaibab Industries	**Phoenix, AZ**	**Whiting**	1	18	0
Kampgrounds of Amurica, Inc.	**Billings, MT**	**Kampgrounds of America**	47	14	636
Kangaroo, Inc.	**Gainesville, GA**	**Kangaroo Convenience Store**	1	32	0
L. Keller Oil Properties, Inc.	Effingham, IL	7-Eleven/Super Food Store	1	35	7
Kelley Williamson Co.	Rockford, IL	Mobil Mart	1	21	0
Kenny's Markets	Richfield, MN	Kenny's Market	1	N/A	N/A
Kent Distributors, Inc.	Midland, TX	Kent Kwik	1	17	0
Kenyon Oil Co.	**North Grosvenordale, CT**	**Xtra Mart**	7	127	0
Kerr-McGee Refining Corp.	**Houston, TX**	**Kerr-McGee Food Shop**	19	51	N/A
Kimber Petroleum Corp.	**Madison, NJ**	**Kwik Pik/Mobil Mart**	1	4	0
King & King Enterprises, Inc.	**Claycomb, MO**	**King Super Store**	3	30	0
Kocolene Oil Corp.	Seymour, IN	Kocolene Fuel/Food Mart	2	20	0
Krause Gentle Corp.	West Des Moines, IA	Kum & Go	6	140	0
Krist Oil Co.	Iron River, MI	Citgo Quik Food Mart	2	35	0
Kwickie Food Stores, Inc.	Macon, GA	Kwickie Food Store	1	52	0
Kwik King Food Stores	**Ocala, FL**	**Kwik King Food Store**	1	54	0
Kwik Sak	**Columbia, TN**	**Kwik Sak**	1	33	0
Kwik Shop, Inc.	**Hutchinson, KS**	**Kwik Shop, Inc.**	5	188	11
Kwik Trip, Inc.	**LaCrosse, WI**	**Kwik Trip**	3	218	0
Kwik Way, Inc.	Billings, MT	Kwik Way	1	0	0
Landhope Farms	Kennett Square, PA	Landhope Farms	3	18	0
Lassus Bros. Oil Inc.	Ft. Wayne, IN	Handy Dandy Food Store	1	20	0
LDD Corp.	Palmyra, NY	Palmart	1	8	0
Ledbetter Oil Co.	**Marion, NC**	**Rainbow Pantries**	1	6	9
Carols R. Leffler	**Richland, PA**	**CR's Friendly Market**	1	36	4
H.C. Lewis Oil Co.	**Welch, WV**	**Kwik Serv Food Mart**	1	5	0
Lindner Dairy Centers	**Indianapolis, IN**	**Friendly Food Store**	1	9	0
Lipscomb Oil Co., Inc.	Greenville, MS	Exxon Shoppe	2	16	0
Little Chef Stores	Jacksonville, FL	Little Champ Food Store	2	560	0
Little Food Town	Lakeland, FL	Little Food Town	1	3	0
Loaf N Jug	Pueblo, CO	Loaf N Jug	3	69	0
Lowes Food Stores Inc.	**Winston-Salem, NC**	**Run-In Foods**	1	21	0
The Lyden Co.	**Youngstown, OH**	**Fast Check Food Mart**	1	55	0
Lykins Oil Co.	**Milford, OH**	**Lykins/Friends**	2	6	3
Mapco Petroleum, Inc.	**Tulsa, OK**	**Mapco Express/Delta Express**	10	320	110
Marathon Oil Co.	Springfield, OH	Various	N/A	N/A	N/A
Maritime Energy Co.	Rockland, ME	Maritime Farms	1	5	0
Marsh Village Pantries, Inc.	Indianapolis, IN	Village Pantry	1	170	0
Martin & Bayley Inc.	Carmi, IL	Huck's Convenience Store	5	91	5

1989 Total	1990 Total	1991 Current	1991 Projected	Additions Projected in 1992	Number With Gasoline	Avg. Gasoline Volume Per Store/Per Month		Size (Sq. Ft.)	
						Mini	Full	Mini	Full
60	32	32	32	—	—	30,000	100,000	600/1,000	2,000
N/A	27	27	27	4–5	26	—	10,000/30,000	—	1,000+
8	10	11	11	—	—	N/A	N/A	200/600	1,400/3,000
N/A	19	18	?	?	14	N/A	N/A	N/A	N/A
35	35	24	24	5	24	N/A	50,000/75,000	800	2,500
N/A	20	20	22	?	19	—	?	—	2,000
22	22	22	24	2	22	—	106,000	—	1,400
1	2	2	2	0	2	110,000	100,000	500	1,000
N/A	N/A	29	N/A	N/A	29	—	N/A	—	N/A
2	3	2	2	2	2	—	N/A	—	2,000
15	16	17	17	1	16	N/A	N/A	800	2,500
N/A	20	23	25	2	23	60,000	60,000	900	1,300
22	22	20	20	0	20	—	N/A	—	1,500
23	24	36	38	3	37	—	N/A	—	1,800/2,000
220	220	192	?	?	20	—	N/A	—	1,000+
31	31	32	34	2	32	—	65,000	—	1,400
N/A	25	24	25	?	23	—	N/A	—	N/A
225	232	242	248	15	242	—	N/A	—	4,000
25	28	31	34	?	31	—	N/A	—	1,200
N/A	N/A	43	?	?	5	—	N/A	—	N/A
17	20	21	?	5	26	—	100,000	—	3,000
24	21	20	20	0	17	—	N/A	—	1,800
11	11	11	11	?	9	N/A	—	400	—
14	10	9	9	9	9	—	60,000	—	2,000
5	5	6	4	2	6	75,000	50,000	1,000	2,400
N/A	319	480	480	5–6	N/A	N/A	N/A	N/A	N/A
37	38	38	38	?	36	—	125,000	—	2,000
44	38	38	38	?	38	—	N/A	—	2,400
36	36	37	37	0	37	—	58,700	—	1,800/3,000
31	24	29	30–33	?	29	—	100,000	—	2,000
35	35	35	40	0	35	—	100,000	—	3,200
8	12	12	12	2	12	—	85,000	—	1,500
390	420	450	470	?	400	—	N/A	—	2,000/2,400
23	20	20	20	0	20	—	N/A	—	2,400
N/A	15	17	18	2	16	—	36,000	—	2,500
32	32	32	32	0	32	—	50,000	—	2,000
23	23	23	24	?	23	—	76,296	—	2,400
49	49	62	79	5	62	—	75,000	—	1,500
35	35	36	39	6	36	99,000	94,000	400	3,740
105	102	104	102	?	96	—	N/A	—	2,000
54	54	54	52	3	50	—	N/A	—	3,000
18	18	18	18	?	25	N/A	N/A	600	1,500/2,000
643	650	650	656	15	N/A	N/A	N/A	700	1,500
29	31	32	34	2	32	—	58,000	—	2,200
36	43	42	52	9	42	68,000	74,000	860	1,820
N/A	N/A	21	?	2	21	125,000	N/A	900	1,800
N/A	N/A	24	?	?	3	N/A	N/A	N/A	N/A
15	17	17	?	?	17	—	N/A	—	2,000
70	123	127	138	10	127	93,000	52,000	600	1,300
N/A	1,039	1,043	1,046	10	1,043	30,000	77,000	700	1,200
3	3	4	5	?	4	N/A	150,000	750	3,500
30	30	30	?	?	30	—	N/A	—	2,200
17	17	20	22	3	20	—	N/A	—	2,300
137	138	140	146	6–8	139	N/A	N/A	800/900	1,800
28	33	35	36	2	35	—	65,000	—	2,200
53	52	52	53	3–4	52	—	5,000	—	2,300
54	55	54	54	0	53	—	N/A	—	2,500
30	33	33	33	?	32	—	N/A	—	2,500
210	209	209	210	1	188	—	45,000	—	3,000
192	199	219	235	15	218	—	N/A	—	2,500
21	21	21	22	?	21	—	35,000	—	2,400
20	18	20	18	?	14	—	N/A	—	2,500
18	20	20	20	0	20	—	88,000	—	1,800
9	9	8	11	3	8	—	75,000	—	2,000
15	15	15	15	?	15	—	40,000	—	1,200
N/A	N/A	40	50	10	40	—	N/A	—	2,800
4	4	5	6	1	5	75,000	100,000	900	2,000
9	9	9	9	1	5	—	50,000	—	2,400
16	16	16	?		16	N/A	N/A	N/A	2,000
560	560	560	570	?	480	—	50,000	—	2,400
6	6	3	3	0	3	N/A	N/A	1,000	2,500
68	68	69	70	1	68	—	10,000/12,000	—	3,200
27	24	21	21	2	21	N/A	N/A	N/A	N/A
54	55	55	57	2	55	90,000	60,000	800	1,500
7	7	9	10	1	9	—	85,000	—	2,000
310	316	320	322	3	320	92,000	90,000	650	2,000
N/A	N/A	408	413	?	408	N/A	N/A	800	1,000+
N/A	5	5	5	0	5	40,000	75,000	800	2,400
168	168	170	175	?	111	—	N/A	—	2,690
95	105	96	100	6	86	—	48,000	—	2,500

C-Store Summary (Cont.)

Company	H.Q. Location	C-Store Name	No. of States Where Stores Are Located	Company Operated	Franchise Operated
Martin Oil Co.	Bellwood, PA	Minit Mart	1	18	0
Martin Oil Marketing, Ltd.	Alsip, IL	Martin Mini Food Mart	2	43	0
Maverick Markets, Inc.	Corpus Christi, TX	Maverick Market	1	110	0
Maveric Mini Marts	Cushing, OK	Maveric Mini Marts	1	23	0
Maverik Country Stores, Inc.	Afton, WY	Maverik Country Stores, Inc.	8	112	0
May-Slade Oil Co.	Klamath Falls, OR	Food Mart	1	4	3
McDowell Oil Service, Inc.	Milton, PA	Time Markets, Inc.	1	28	0
McGuire Oil Co.	Mobile, AL	McGuire Food Marts, Inc./ Com Pac Food Store	1	18	0
McLeieer Oil Service, Inc.	Kalamazoo, MI	Food Port Marketing	1	3	0
Mercer's Kwik Stop Food Stores	Boonville, NY	Bonfare	2	49	11
Merritt Truax, Inc.	Salem, OR	Texaco	1	5	0
Metzger Dairies, Inc.	Dallas, TX	Mr. M Food Store	1	47	0
Mickey's Enterprises, Inc.	Killeen, TX	Mickey's Convenience Store	1	16	0
Mid-Continent Systems, Inc.	West Memphis, AR	Convenience Market	2	0	26
Mid-Missouri Oil Co.	Kaiser, MO	Jiffy Stop	1	0	6
Mid South Sales, Inc.	Helena, AR	Citgo Food Mart	1	14	0
Midstate Oil Co.	Columbia, MO	Breaktime	1	64	0
Mid-States Petroleum	Troy, MI	Mid-Mart	3	39	0
Mid-West Petroleum Inc.	Derby, KS	Stop 2 Shop	3	10	35
Midwest Industrial Foods	LaCrosse, WI	Quik-Stop	2	0	30
Midwest Petroleum Co.	St. Louis, MO	Bulch Oil Co./Express Lane	2	56	0
Miller & Holmes, Inc.	St. Paul, MN	MH	6	N/A	N/A
Miller Enterprises Inc.	Crescent City, FL	Handy Way Food Store	1	128	0
Miller Oil Co.	Norfolk, VA	Miller Mart	2	N/A	N/A
Mini Mart Inc.	Casper, WY	Mini Mart, Inc.	6	106	0
Mini Marts	Bellwood, PA	Mini Marts	1	30	0
Minit Mart Foods, Inc.	Bowling Green, KY	Minit Mart	2	96	0
Minit Mart, L.P.	Vancouver, WA	Quick Shop Minit Mart Food Store	2	2	48
Minit Stop, Inc.	Bay Minette, AL	Minit Stop, Inc.	1	10	0
Mobil Oil Corp.	Fairfax, VA	Mobil Mart	19	551	616
Modern Oil Co., Inc.	Shawnee, OK	Kwick Stop Food Mart	1	26	0
Mooney Oil Corp.	Lansing, MI	Superstop	1	19	0
Moore Petroleum	Banta, CA	Exxon Food Mart	1	0	3
Mountain Empire Oil Co.	Johnson City, TN	Roadrunner Market	3	32	0
Moyle Petroleum Co.	Rapid City, SD	Common Cents Food Store	1	30	0
Mr. Zip Convenience Stores, Inc.	Cleveland, TN	Mr. Zip/Classic Group	3	50	0
Munro Petroleum & Terminal Corp.	Biloxi, MS	MP Stores	1	11	0
Murphy Oil USA, Inc.	El Dorado, AR	SPUR	12	0	156
Musket Corp.	Oklahoma City, OK	Love's Country Store/Love's Travel Stop	6	127	0
National Convenience Stores, Inc.	Houston, TX	Stop N Go	3	962	0
National Oil & Gas, Inc.	Bluffton, IN	Deli Mart	2	40	0
Neal, Inc.	San Antonio, TX	One Stop Food Store	1	24	0
Nella Oil Co.	Auburn, CA	1-Stop Convenience Food Store	2	24	0
Nelson's Oil & Gas, Inc.	Edgemont, SD	Nelson's Kountry Korner	3	3	2
Nice N Easy Grocery Shoppes, Inc.	Canastota, NY	Nice N Easy Shoppe	1	18	67
Northville Industries Corp.	Melville, NY	Snaxville	1	6	0
Nugget Oil, Inc.	Crestview, FL	Nugget Oil Inc.	1	46	0
Omega Oil Co.	Dayton, OH	Omega Mart	2	58	0
Open Pantry Food Marts	Racine, WI	Your Open Pantry	2	22	37
Orloski's Service Stations, Inc.	Wilkes-Barre, OA	Orloski's Quik Mart	1	0	0
Otto Energy, Inc.	Shreveport, LA	Otto's Food Store	1	7	0
Pacific Northern Oil Co.	Seattle, WA	Panoco	1	2	0
Pacific Petroleum Corp.	Eugene, OR	Tiger Mart	1	1	—
Pack & Sack Food Centers, Inc.	Cairo, GA	Pack & Sack Food	2	0	0
The Pantry Inc.	Sanford, NC	The Pantry	4	N/A	N/A
The Pantry Store Inc.	Clarksburg, WV	The Pantry Store Inc.	2	28	0
Parker Oil Co., Inc.	South Hill, VA	Petrol/Red Barn	2	2	28
Parman Oil Co.	Nashville, TN	Par Mart	1	19	0
Patterson Oil Co., Inc.	Torrington, CT	Patco Handy Stop	1	9	0
Pay Less Oil Co.	Tampa, FL	Pay Less/Ready	1	21	0
Pay N Save Inc.	Littlefield, TX	Jolly Roger	2	14	0
PDQ Food Stores, Inc.	Middleton, WI	PDQ Food Store, Inc.	4	87	0
Petroleum Marketers, Inc.	Roanoke, VA	Stop In Food Store	2	50	0
Petroleum Marketing Co.	Tulsa, OK	7-Eleven	6	0	20
Petroleum Sales & Service	Buffalo, NY	Petro USA	1	4	0
Petroleum World, Inc.	Spartansburg, SC	Express Store	2	34	0
Phillips 66 Co.	Bartlesville, OK	Phillips 66	N/A	N/A	N/A
Piasa Motor Fuels, Inc.	Alton, IL	Piasa Pantry	2	4	4
Pick Kwik Food Stores, Inc.	Tampa, FL	Pick Kwik	1	92	0
Pilot Corp.	Knoxville, TN	Pilot Foodmart/Pilot Travel Center	27	88	0
Pipeline Oil Sales	Jackson, MI	Buddy's Mini-Marts, Inc.	1	25	1
Plaid Pantries, Inc.	Beaverton, OR	Plaid Pantries Inc.	2	105	0
Poole Oil Co.	Ontario, OR	Poole's Country Store	2	2	0
Presta Oil Inc.	Garden City, KS	Dart In/Presto	1	17	2
Presto Food Stores, Inc.	Plant City, FL	Presto Food Stores	1	63	0
Private Brand Services, Inc.	Cadillac, MI	P.B.S. Party Store	1	1	0
Purity Oil Co.	Tulsa, OK	Fastop Stores	1	13	0
Q-Mart Food Stores of America	Jackson, TN	Q-Mart	1	7	12
Q-Midwest	Mound, MN	Total Mart	1	6	0

1989 Total	1990 Total	1991 Current	1991 Projected	Additions Projected In 1992	Number With Gasoline	Avg. Gasoline Volume Per Store/Per Month		Size (Sq. Ft.)	
						Mini	Full	Mini	Full
N/A	N/A	18	18	7	18	—	N/A	—	N/A
41	43	43	43	5–8	43	130,000	160,000	400	2,400/3,200
111	110	110	120	?	95	—	75,000	—	2,400
26	24	23	23	?	22	—	45,000	—	1,400
98	109	112	115	?	111	—	65,000	—	2,000
6	6	7	—	1	7	40,000	105,000	900	1,100/1,500
30	28	28	28	0	28	—	70,000	—	2,100
22	22	18	18	?	18	—	50,000	—	1,500
2	3	3	3	?	3	—	75,000/80,000	—	3,000/4,000
56	58	60	60	0	48	—	40,000	—	3,000
6	5	5	6	0	5	—	125,000	—	N/A
48	48	47	48	?	38	—	N/A	—	2,300
21	21	16	17	?	16	—	N/A	—	2,300
32	N/A	26	26	0	22	—	20,000	—	2,000
8	6	6	6	?	6	—	60,000	—	1,000+
10	14	14	15	2	14	—	N/A	—	2,200
63	63	64	66	?	64	50,000	50,000	800	1,400
39	39	39	39	3–5	37	120,000	120,000	800	2,600
40	45	45	50	5	45	—	50,000	—	2,400
0	30	30	33	2–3	30	—	50,000	—	1,800
53	57	56	57	?	56	60,000	60,000	1,000	1,500
N/A	N/A	24	N/A	N/A	24	N/A	N/A	N/A	N/A
129	125	128	130	5	112	—	50,000	—	2,400
21	35	41	?	?	41	N/A	N/A	N/A	N/A
117	117	106	108	2	118	—	45,000	—	2,400
N/A	30	30	30	0	30	40,000	50,000	1,000	2,000
98	97	98	99	2–3	96	—	44,000	—	3,000
52	51	50	50	0	17	—	50,000	—	2,800
10	10	10	?	?	10	—	100,000	—	2,400
800	N/A	1,167	1,207	?	1,167	N/A	N/A	960	1,000
N/A	N/A	26	26	?	26	—	N/A	—	1,000+
18	19	19	2	2	19	—	90,000	—	2,300
3	3	3	5	1	3	80,000	160,000	200	2,400
35	35	32	41	?	32	60,000	60,000	200	2,000
30	30	30	?	?	30	—	N/A	—	2,500
50	50	50	52	?	50	—	N/A	—	1,000+
9	10	11	2	1	11	—	60,000	—	1,200/1,400
119	156	156	?	?	156	—	N/A	—	1,200
119	123	127	131	7	127	—	100,000	—	3,500
1,099	1,091	989	989	0	809	N/A	N/A	800	2,700
28	28	40	46	6	40	50,000	50,000	1,000	2,000
25	25	24	25	2	24	—	42,500	—	1,750
27	24	24	25	3	24	185,000	185,000	800	1,800
7	7	7	8	?	7	—	50,000	—	2,800
N/A	N/A	85	85	?	85	N/A	N/A	N/A	N/A
0	0	6	6	2–3	6	—	60,000	—	1,800
44	44	46	47	0	46	—	40,000/125,000	—	1,600/2,400
57	57	58	59	2	58	N/A	N/A	600	1,200
61	60	59	59	2	31	—	70,000	—	2,400
32	34	34	35	?	33	80,000	80,000	700	1,400
4	6	6	7	?	7	—	N/A	—	1,000
2	2	2	2	1–5	2	—	125,000	—	2,800
—	—	4	1	2	1	—	290,000	—	1,600
45	48	46	46	2	46	—	15,000	—	2,400
N/A	N/A	448	450	0	427	—	N/A	—	2,400
N/A	27	28	30	2	27	—	50,000	—	1,500
30	28	30	?	?	30	—	50,000	—	1,800
18	20	19	?	?	19	—	150,000	—	2,500
7	9	9	10	1	9	57,000	70,000	800	1,600
21	22	21	?	?	21	—	N/A	—	1,000+
N/A	N/A	14	N/A	N/A	14	N/A	N/A	N/A	N/A
105	99	87	88–90	?	67	N/A	N/A	N/A	N/A
54	50	50	55	10	50	78,000	110,000	1,000	1,800
111	96	97	96	0	97	N/A	N/A	N/A	N/A
3	4	4	6–7	?	4	80,000	—	600/700	—
N/A	27	34	34	?	34	N/A	N/A	N/A	N/A
159	190	213	?	?	213	N/A	N/A	N/A	N/A
4	6	8	9	1	8	—	60,000	—	2,200
94	92	89	87	4	67	—	48,000	—	2,200
81	85	88	4–5	?	88	—	N/A	—	1,500/6,000
25	28	30	33	?	30	51,000	63,000	750	1,400
124	110	105	105	?	14	—	75,000	—	2,400
4	5	5	—	—	5	—	50,000	—	1,800/2,500
15	21	19	21	2	19	59,000	47,000	225	2,400
58	62	63	?	?	62	30,000	30,000	N/A	2,400
1	1	1	1	0	1	—	140,000	—	3,000
10	13	13	13	?	N/A	80,000	N/A	800	N/A
N/A	19	19	20	N/A	19	—	40,000	—	2,400
3	6	6	8	2	6	—	80,000	—	2,400

C-Store Summary (Cont.)

Company	H.Q. Location	C-Store Name	No. of States Where Stores Are Located	Company Operated	Franchise Operated
Quality Oil Co. Inc., Ltd. Partnership	Winston-Salem, NC	Quality Mart	2	28	0
Quarles Petroleum, Inc.	Fredericksburg, VA	Q-Stop Food Store	1	15	0
Quality Petroleum Corp.	Lakeland, FL	Hop-N-Save	2	30	20
Quick Chek Food Stores Inc.	White House Station, NJ	Quick Chek	1	95	0
Quick 'N Easy Stores, Inc.	Austell, GA	Quick 'N Easy Store	1	18	0
Quick-Sav, Inc.	Flushing, MI	Quick-Sav, Inc.	1	29	0
Quick Stop Food Mart, Inc.	Fayetteville, NC	Quick Stop Food Mart	2	80	0
Quik Mart Stores	Billings, MT	Quik Mart	1	4	0
Quik Mart Stores, Inc.	Tucson, AZ	Quik Mart Store	1	24	0
Quik Thrift Food Stores, Inc.	Marietta, GA	Quik Thrift	1	14	0
QuikTrip Corporation	Tulsa, OK	QuikTrip	6	284	0
Qwik Korner Deli-Grocery, Inc.	San Marcos, CA	Qwik Korner Deli Grocery	1	7	0
Qwik Stop	Coeur D'Alene, ID	Qwik Stop	1	3	0
Racetrac Petroleum, Inc.	Atlanta, GA	Racetrac Raceway	12	175	139
Rainbo Oil Co.	Salt Lake City, UT	Rainbo Mart	1	38	0
Ram Oil Corp.	San Antonio, TX	Ram Store	1	13	0
Red Hed Oil Co., Inc.	Richmond, KY	Redi Mart	1	8	0
Red Rock Distributing	Oklahoma City, OK	Save-A-Stop/Fuel-at-the-Flag	1	19	0
Republic Oil Corp.	Woodland Hills, CA	Dixxie Mart	N/A	N/A	N/A
Retail Marketing Co.	Tulsa, OK	7-Eleven	6	77	20
Rinehart Oil Inc.	Ukiah, CA	R-Mart/RINO	1	6	0
River Oil Co.	Memphis, TN	Phillips 66 C-Store	1	3	0
F.L. Roberts	Springfield, MA	Roberts Food Mart	2	24	0
Robinson Oil Co., Inc.	San Jose, CA	Mrs. Robbie's Foodstore/Mrs. Robbie's Snackspot	1	8	0
Rocky Top Markets, Inc.	Harriman, TN	Rocky Top Market	1	N/A	N/A
Royster Oil Co., Inc.	Shelby, NC	RoCo Food Store	1	1	0
Russ Day-N-Nite Markets, Inc.	Albany, OR	Russ' Day-N-Nite	1	14	0
Russel Petroleum Corp.	Montgomery, AL	Kwik Shop Food Store	1	17	0
Sac N Pac Stores	San Marcos, TX	Sac N Pac	1	20	N/A
Sahara Oil Co., Inc.	Phoenix, AZ	Rebel Quik Mart	1	8	0
Santee Oil Co., Inc.	Kingstree, SC	Carolina Shell/Georgetown Shell Pawley Island Shell/Hemingway Shell	1	4	0
Satco	Newport, ME	Satco	1	18	3
Sav A Step Food Marts, !nc.	Louisville, KY	Sav-A-Step Food Mart	2	22	4
Save-A-Stop, Inc.	Oklahoma City, OK	Save-A-Stop	1	19	0
Sav-A-Trip, Inc.	Cherokee, OK	Sav-A-Trip, Inc.	2	19	0
Save-X, U.S.A., Inc.	Roanoke, VA	Save-X Mini Mart	1	10	0
Savings Station Dodges Store	Tupelo, MS	Dodges Stores	10	10	—
SBR, Inc.	Parkersburg, WV	7-Eleven	2	63	0
Scaff's Inc. dba S & S Foods	Lakeland, FL	S&S Food Stores	1	35	0
SCASCO	Winsted, CT	Nutmeg Pantry	1	0	10
Schaeffer Oil Inc.	Winner, SD	"Lil Feller"	2	6	0
Schierl Sales Corp.	Stevens Point, WI	The Store	2	23	0
Schmuckal Oil Co.	Traverse City, MI	Shell Mini-Mart	1	18	0
Carl M. Schultz Inc.	LaPeer, MI	CMS Mini Marts	1	N/A	N/A
Sears Oil Co., Inc.	Rome, NY	Seaco Express Shop	1	9	1
Sessoms Properties, Inc.	St. Pauls, NC	Kwik Shop/Petro Mart	1	12	0
7 2 11 Food Stores	Farmington, NM	7 2 11 Food Store	3	N/A	N/A
Shay Oil Co., Inc.	Yuma, AZ	Shay's Mart	1	11	0
Sheetz, Inc.	Altoona, PA	Sheetz Inc.	4	160	0
Sheffield Oil Co.	Dothan, AL	Sheffield Oil Co.	3	22	0
Shell Oil Co.	Houston, TX	Shell Food Mart	22	0	N/A
Shipley Oil Co.	York, PA	N/A	1	N/A	N/A
Shirtcliff Oil Co.	Myrtle Creek, OR	Food Mart/Deli Mart	1	2	0
Shop A Snak Food Marts, Inc.	Birmingham, AL	Shop-A-Snack Food Mart	1	24	0
Shop Rite, Inc.	Crowley, LA	Shop Rite	1	42	0
Short Stop Food Marts	Fayetteville, NC	Short Stop/Easy Stop 66/Food Mart	1	66	0
SICO	Mount Joy, PA	SICO Serve	3	8	0
Silcorp Ltd.	Mississauga, Ont. Can	Mac's/Hop In/Mike's Mart	1	N/A	N/A
Sinclair Oil Corp.	Salt Lake City, UT	Sinclair Service Sations	14	220	80
Sing Oil Co.	Thomasville, GA	Sing Food Stores	5	56	0
Site Oil Co.	St. Louis, MO	Site Food Mart	8	50	0
6-Twelve Convenience Mart Inc.	Gaithersburg, MD	6-Twelve Convenience Mart	2	7	20
Skinny's, Inc.	Abilene, TX	Skinny's	1	49	0
R.L. Smeltz Oil Co., Inc.	Greensburg, PA	R.L. Smeltz Oil Co.	1	10	0
Southern Counties Oil Co.	Orange, CA	Southern Counties Oil Co.	1	5	0
Southern Food Park, Inc.	Sparta, IL	Han-Dee Mart	1	16	0
Southern Oil Co., Inc.	Suffolk, VA	Southern Food Stores	1	6	0
The Southland Corp.	Dallas, TX	7-Eleven/High's Quick Mart	30	1,704	4,239
Spectrum Stores	West Point, GA	Spectrum Store	2	0	0
The Spencer Co., Inc.	Huntsville, AL	Minit Man	1	14	24
Spies Corp.	Watertown, SD	Cowboy Convenience Store	1	1	0
Stallings Oil Co.	Rocky Mount, NC	Zipmart	2	41	0
Star Development Holding	Melburne, FL	Town Star Foods	1	30	0
Star Enterprise	Houston, TX	Texaco Food Mart	26	658	4,739
Star Oil Co.	Port Huron, MI	Plums	1	4	0
Sterling Milk Co.	Wauseon, OH	Sterling Food Store	2	28	0
Steuart Petroleum Co.	Washington, DC	Agip/Happy Store	6	60	3
Stewart Oil Co./Tri-Star Marketing	Urbana, IL	Super Gas/Super Pantry Store	2	39	0

1989 Total	1990 Total	1991 Current	1991 Projected	Additions Projected in 1992	Number With Gasoline	Avg. Gasoline Volume Per Store/Per Month		Size (Sq. Ft.)	
						Mini	Full	Mini	Full
27	26	28	29	1	28	100,000	100,000	200	2,200
43	47	50	50	?	50	—	68,000	—	1,600
11	14	15	17	2	15	—	50,000	—	2,400
92	95	95	98	?	0	—	N/A	—	3,100
22	18	18	18	0	18	—	50,000	—	3,000
27	29	29	30	?	29	—	63,000	—	1,800
83	80	80	82	3	80	—	50,000	—	2,400
6	6	4	4	?	4	N/A	N/A	N/A	N/A
25	25	24	25	?	22	—	N/A	—	2,400
12	14	14	14	0	8	—	95,000	—	1,500
255	268	284	314	30	277	—	N/A	—	3,200
24	23	7	7	0	2	—	61,000	—	1,200
0	0	3	8	5	3	—	N/A	—	3,000
268	314	259	340	20-35	314	N/A	N/A	800	3,500
37	39	37	?	?	38	—	N/A	—	1,800
9	11	13	15	?	13	—	N/A	—	N/A
6	6	8	8	1	8	55,000	70,000	600	2,50
22	22	19	19	0	19	50,000	50,000	600	2,500
4	4	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
111	100	97	97	0	96	—	51,000	—	2,400
6	6	6	6	—	—	34,000	100,000+	300	1,200
3	3	3	3	0	3	—	90,000	—	2,000
N/A	24	24	24	0	24	70,000	100,000	800	1,400
7	8	8	9	?	8	N/A	N/A	600	1,350
N/A	24	25	?	?	25	N/A	N/A	N/A	N/A
1	1	1	1	1	1	—	130,000	—	2,500
22	20	14	11	0	1	—	N/A	—	2,000
17	19	17	19	2–3	17	N/A	N/A	900	2,400
N/A	N/A	20	N/A	N/A	20	N/A	N/A	N/A	N/A
6	7	8	11	2	9	—	100,000	—	3,200
4	4	4	4	?	4	—	222,000	—	2,000
N/A	27	21	21	0	21	—	55,000	—	1,200
N/A	24	26	27	5	24	—	N/A	—	3,000
23	21	19	19	0	19	N/A	N/A	1,000	2,000
18	19	19	19	1	19	—	50,000	—	1,800
9	10	10	11	1	10	N/A	N/A	1,000	2,200
N/A	N/A	60	N/A	N/A	60	—	N/A	—	N/A
63	63	63	65	?	51	—	N/A	—	2,500
37	37	35	36	1	35	—	80,000	—	2,700
8	10	10	11	1	10	—	75,000	—	1,800
6	6	6	?	?	6	—	N/A	—	2,500
21	22	23	23	0	23	—	60,000	—	2,300
16	16	18	19	2	18	—	95,000	—	2,400
N/A	N/A	24	N/A	N/A	24	—	N/A	—	N/A
3	10	10	N/A	N/A	10	N/A	N/A	250	2,500
17	14	12	13	0	11	—	N/A	—	N/A
N/A	N/A	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11	11	11	12	1	11	100,000	125,000	800	2,500
146	152	160	170	12	158	—	80,000	—	2,700
20	22	24	26	?	24	40,000	—	800	—
1,164	1,300	1,300	?	?	1,300	N/A	N/A	800	1,000/2,600
N/A	N/A	20–25	N/A	N/A	20–25	N/A	N/A	N/A	N/A
2	2	2	3	—	2	—	100,000	—	2,400
N/A	21	22	22	?	22	—	50,000	—	2,400
38	41	42	44	?	42	—	N/A	—	2,400
N/A	66	62	66	?	58	—	N/A	—	N/A
7	8	8	8	2	8	104,000	199,000	650	1,200
1,130	999	999	?	?	197	—	N/A	—	2,400
N/A	N/A	300	N/A	N/A	N/A	N/A	N/A	N/A	N/A
54	54	56	56	?	56	N/A	N/A	—	3,000
N/A	50	50	?	?	50	N/A	N/A	—	2,500
N/A	23	27	32	?	8	—	80,000	—	3,000
50	52	49	47	2	49	—	29,000	—	2,400
4	4	10	12	2	10	100,000	175,000	1,000	2,400
3	4	5	7	0	4	150,000	—	650	—
16	16	16	16	1–2	16	—	50,000	—	2,500
5	5	6	6	1	6	—	80,000	—	1,800
7,097	6,190	5,943	?	0	2,534	—	46,000	—	2,800
40	42	42	42	0	42	—	70,000	—	2,400
N/A	30	33	38	0	38	—	55,000	—	N/A
1	1	1	1	0	1	—	60,000	—	5,000
45	43	41	44	?	42	N/A	125,000	1,000	1,500
N/A	31	30	?	?	?	—	N/A	—	N/A
N/A	5,397	5,397	5,350	244	5,311	85,000	102,000	700	1,500
N/A	N/A	4	?	1	4	—	200,000	—	1,500
N/A	28	28	28	?	11	—	N/A	—	2,400
21	59	63	65	16	63	145,000	168,000	600	1,800
N/A	20	39	24	3	39	N/A	N/A	700	1,800

C-Store Summary (Cont.)

Company	H.Q. Location	C-Store Name	No. of States Where Stores Are Located	Company Operated	Franchise Operated
Stewarts Ice Cream Co.	Saratoga Springs, NY	Stewarts Ice Cream	2	181	0
Stop In Food Stores, Inc.	Roanoke, VA	Stop-In Food Stores	2	51	0
Stop-N-Go of Madison, Inc.	Madison, WI	Stop-N-Go	2	47	0
The Store 24, Inc.	Waltham, MA	The Store 24, Inc.	5	109	0
J.D. Streett & Co., Inc.	Maryland Heights, MO	FINA/Citgo/Sunoco	4	14	0
Strassburger Enterprises	Temple, TX	Pay Less/Quix	1	29	0
Sugar Creek Stores, Inc.	Rochester, NY	Sugar Creek Store	1	98	5
Sunglo, Inc.	San Antonio, TX	Sunglo, Inc.	1	24	0
Sun Refining and Marketing Co.	Philadelphia, PA	Atlantic "A" Plus Markets/ Sunoco Food Markets	27	N/A	N/A
Sunny Side Farms Stores	Moosup, CT	Sunny Side Farms Store	1	10	0
Sunshine Jr. Stores, Inc.	Panama City, FL	Jr. Food Stores	5	296	0
Suwannee Swifty Stores, Inc.	Quitman, GA	Beacon/Ultramart/Suwannee Swifty	3	212	0
Sweeney Co., Inc.	Chicago, IL	Sweeney Foods Works	1	6	0
T & E Oil Co.	Hutchinson, KS	Food Plaza and Mini Mart	1	9	0
Target Captial Div.	Seattle, WA	Express Lane	2	0	20
Tattnal Foods, Inc.	Glennville, GA	Wollard's Blanch	1	26	0
Taylor Food Marts	Amarillo, TX	Taylor Food Mart	5	112	0
Taylor Oil Co.	Winston-Salem, NC	Etna Food Store	2	60	0
Tedeschi's Food Stores	Rockland, MA	Tedeschi's Food Store	2	67	0
Tesoro Petroleum Corp.	Anchorage, AK	North Stores 7-Eleven	1	39	0
Texaco Refining & Marketing Inc.	Houston, TX	Texaco/Star Mart/Food Mart	14	471	0
TFM Co.	Dubuque, IA	Oky Doky	3	1	18
Thomas Oil Co.	Bryant, AR	Tommys-A-Tanks/Kountry Junction/ Miliary 66/2 Chief Truck Stop	1	5	0
Thornhill Oil Co., Inc.	Ft. Wayne, IN	Amoco Food Shop	1	15	1
Thornton Oil Corp.	Louisville, KY	Thornton's Gas and Food Mart	6	102	4
Thrifty Oil Co.	Downey, CA	Thrifty Food & Gas	1	151	0
Thriftway Marketing Corp.	Farmington, NM	Thrifyway Marketing	4	71	0
Time Oil Co.	Seattle, WA	Jackpot Food Mart	5	111	58
Time Saver Stores, Inc.	New Orleans, LA	Time Saver Stores, Inc.	1	133	0
TOC Retail Inc.	Casselberry, FL	Majik Market	11	389	0
Tom Thumb Food Markets, Inc.	Crestview, FL	Tom Thumb	2	104	0
Tooley Oil Co.	Sacramento, CA	Shell Food Mart/Tooley's Mart	1	6	0
Total Petroleum, Inc.	Denver, CO	Total Mart/V Mart/Road Runner	18	614	13
Total Road Runner, Inc.	Texarkana, TX	Road Runner	5	130	0
Town & Country Food Marts	Wichita, KS	Town and Country Markets	4	66	0
Town & Country Food Stores	Melbourne, FL	Town Star Food Store	1	30	0
Town Pump	Butte, MT	Town Pump Food Store	1	38	23
Town Star Food Stores, Inc.	Melbourne, FL	Town Star Food Store	1	31	0
Travelers Petroleum, Inc.	Anderson, SC	Self Way	1	N/A	0
Trejo Oil Co.	Casa Grande, AZ	Tiger Mart/Short Stop	1	25	0
Tri-Valley Distributors Inc.	Heber City, UT	Tri-Mart	6	40	0
Triton, Inc.	Atlanta, GA	Happy Store	3	21	0
Twin Lakes Petroleum Corp.	Athens, TX	Twin Stop	1	7	0
Ultramar, Inc.	Hanford, CA	Ultramart	2	178	24
Ultra Power Corp.	Monticello, NY	Ultra Mart	1	4	0
Uni-Marts, Inc.	State College, PA	Uni-Marts, Inc.	5	315	25
United Dairy Farmers	Cincinnati, OH	United Dairy Farmers	3	214	0
United Refining Co. of PA	Warren, PA	Kwik Fill/Red Apple Food Mart	3	193	0
UNOCAL Refining & Marketing Div.	Los Angeles, CA	Self Serve Mart	13	N/A	N/A
U.S.A. Petroleum	Santa Monica, CA	USA Mini Mart	5	29	0
Venta, inc.	Denver, CO	Convenience Plus	4	44	0
Verona Oil Co., Inc.	Roscoe, NY	The Country Store	1	24	0
Vista Marketing Group., Ltd.	Rockford, IL	Vista	2	0	6
Waco Oil Co.	Louisville, KY	Waco Food Mart	2	13	0
Wades Foods, Inc.	Christiansburg, VA	Deli Mart & Food Time	1	21	0
Wake Up Oil Co., Inc.	Indianapolis, IN	Mini Snack Shop	1	5	0
Walters Dimmick Petroleum	Marshall, MI	Speed-D Mart	3	37	0
Warelubco, Inc.	Jacksonville, IL	Wareco Country Store	5	67	0
Warren Equities, Inc.	New York, NY	Xtra Mart	7	127	0
Warring Oil Co.	Jackson, MS	Interstate Food Stop	2	27	0
Wawa Inc.	Wawa, PA	Wawa Food Market	5	485	0
Webster Oil Co.	Springfield, MO	E.J.'s	1	4	0
Weigels Farm Stores	Powell, TN	Weigel's Farm Store	1	38	0
Welsh Oil Co.	Merrillville, IN	All different	2	21	0
West Lynn Creamery	Lynn, MA	Richdale Dairy Stores, Inc.	2	25	25
West Star Corp.	Olympia, WA	Northwest Deli Mart	1	9	0
West Texas Gas Inc.	Midland, TX	Friend's/Various	1	12	5
Western Energetics Corp.	Reno, NV	Exxon Winner's Corner	1	20	0
Western Marketing, Inc.	Abilene, TX	Wes-T-Go, Inc.	2	15	0
Westgate Oil Co.	Muskegon, MI	Wesco	1	30	0
Westland Enterprises	Atkinson, NE	Mr. G's	2	N/A	N/A
A.T. Williams Oil Co.	Winston-Salem, NC	Wilco Food Mart	2	100	0
J.H. Williams Oil Co., Inc.	Tampa, FL	76 Mini-Mart	1	85	—
Williamson Oil Co.	Fort Payne, AL	Discount Food Mart	3	85	0
The Willis Group, Inc.	La Plata, MD	Dash-In Food Store	3	44	0
Wind River Petroleum	Salt Lake City, UT	Top Store Circle C	1	25	0
Wooten Oil Co.	Goldsboro, NC	Kwik Mart	1	20	0
Younger Oil Co.	Albany, OR	Time Out	1	2	0

1989 Total	1990 Total	1991 Current	1991 Projected	Additions Projected in 1992	Number With Gasoline	Avg. Gasoline Volume Per Store/Per Month		Size (Sq. Ft.)	
						Mini	Full	Mini	Full
N/A	176	181	184	8	159	—	43,000	—	2,500
51	50	51	52	?	51	—	125,000	—	N/A
54	58	47	47	3	35	—	60,000	—	2,400
N/A	108	109	?	?	1	—	N/A	—	N/A
13	13	14	?	?	14	N/A	N/A	500	1,500
94	94	29	31	?	27	—	100,000	—	2,000
100	103	103	110	10	98	N/A	60,000	700	1,800
25	24	24	24	?	24	—	300,000	—	1,000
620	510	786	?	?	—	—	N/A	—	N/A
N/A	10	10	10	1–2	6	30,000	60,000	800	1,200
315	297	296	300	10	291	—	30,000	—	2,400
N/A	191	212	220	5–10	N/A	—	N/A	—	2,400
6	6	6	7	0	6	—	100,000	—	1,600
9	9	9	10	1	9	N/A	N/A	1,000	2,400
40	20	20	20	2	20	—	100,000	—	2,000
N/A	26	26	?	?	26	N/A	N/A	N/A	N/A
125	118	112	112	0	112	N/A	N/A	500	2,400
55	57	60	62	2–3	60	114,000	114,000	900	2,400
N/A	64	64	67	2–3	2	N/A	N/A	N/A	N/A
41	41	39	41	2	32	—	55,000	—	2,200
N/A	454	471	496	42	471	—	115,000	—	N/A
19	19	19	19	0	N/A	N/A	N/A	N/A	N/A
5	5	5	5	0	5	—	80,000	—	3,000
8	15	16	16	2	9	90,000	100,000	900	1,400
75	89	106	106	15	106	—	N/A	—	2,400
N/A	134	151	156	13	150	100,000	51,000	1,000	2,000
63	70	71	71	?	71	N/A	N/A	1,000	2,200
173	170	169	174	10	169	—	133,000	—	2,400
136	136	133	136	3	113	—	3,200	—	2,310
388	389	389	391	0	320	N/A	N/A	N/A	N/A
N/A	104	104	108	0	94	—	N/A	—	N/A
6	6	6	7	?	6	175,000	240,000	200/800	2,000
534	630	627	697	12	627	120,000	150,000	670	1,900
100	120	130	135	3	130	—	150,000	—	2,000
N/A	66	66	?	?	66	—	N/A	—	2,400
33	31	31	30	2	22	—	50,000	—	2,400
52	60	61	?	?	61	N/A	N/A	—	N/A
31	31	31	31	2	21	—	50,000	—	2,400
N/A	N/A	N/A	N/A	0	N/A	—	N/A	—	1,000
25	25	25	28	4	25	20,000	30,000	2,000	2,000+
37	39	40	40	2	40	N/A	N/A	1,000	1,600/2,000
N/A	59	21	25	?	21	N/A	—	—	1,800
4	6	7	9	?	7	—	N/A	—	1,000
114	202	202	232	30	202	122,000	155,000	800	1,500
4	4	4	7	2	4	25,000	60,000	500	2,000
342	339	340	342	?	205	—	34,000	—	2,500
214	214	214	230	20	130	—	N/A	—	3,200
110	192	193	194	5	189	80,300	70,200	800	1,000
2,500	1,924	2,188	N/A	N/A	N/A	N/A	N/A	500/1,000	2,200
N/A	11	29	30	2	29	150,000	150,000	900	2,000
43	44	44	45	?	44	—	78,000	—	1,800
22	23	24	24	0	24	—	42,000	—	1,500
5	6	6	7	?	16	—	150,000	—	2,000
13	13	13	13	?	13	N/A	N/A	N/A	N/A
18	18	21	21	2	9	—	N/A	—	N/A
5	5	5	5	2	5	100,000	100,000	400	2,500
39	39	37	37	0	37	N/A	N/A	1,000	2,500
72	62	67	74	?	67	N/A	N/A	900	2,400
71	123	127	134	11	127	93,000	52,000	600	1,300
22	N/A	27	27	1	27	—	N/A	—	2,800
465	483	485	490	?	8	—	N/A	—	3,200
11	11	4	4	0	4	N/A	N/A	900	2,400
35	37	38	40	2	36	N/A	N/A	900	2,200
28	20	21	24	3	21	—	N/A	—	1,700
54	50	50	52	2	21	—	50,000	—	2,000
9	9	9	9	?	9	—	40,000	—	2,000
11	15	17	19	3	17	N/A	N/A	N/A	2,200
14	17	20	22	2	20	—	175,000	—	2,400
11	12	15	15	5	15	—	65,000	—	1,600
28	30	30	31	1	30	125,000	125,000	1,000	2,000
24	24	25	?	3	25	—	30,000	—	1,200
88	100	100	107	?	100	N/A	125,000	800	2,400
6	N/A	N/A	N/A	N/A	6	100,000	150,000	N/A	1,400
70	78	85	90	10	85	N/A	75,000	N/A	2,400
32	44	44	46	?	38	—	100,000	—	2,200
20	26	25	25	—	25	—	60,000	—	1,500/4,000
23	17	20	17	0	17	80,000	80,000	600	1,900
1	2	2	3	1–2	2	—	95,000	—	1,500/1,800

Exxon Takes Over Top Spot in Market Share; Shell's Five-Year Reign Ends

For five straight years, between 1986 and 1990, Shell Oil Co. had been taking on all comers in the gasoline market share derby.

But there was a new champ crowned in 1991. Exxon, which claimed only fourth place in the previous year's gasoline market share rankings, moved up to the number one spot last year with a reported 9.9-billion in gross gasoline gallonage and a 9% share of the total gasoline market.

At first glance, 9% market share is impressive, the highest ranking by a U.S. oil company since Shell reached 9.2% in 1988. However, Exxon's share represents a slightly larger slice of a smaller gross gallonage pie. U.S. gasoline sales as reported by the Federal Highway Administration took a nosedive in 1991, totaling almost 7-billion gal. less than 1990's gross gallonage. In 1990, by way of comparison, Shell claimed 8.8% of the U.S. gasoline market with a little over $10-billion in sales.

Shell lost its No. 1 ranking because of a 4% decline in gallonage last year. Meanwhile, Exxon's throughputs soared by 11%, a gain of almost 1-billion gal. for the year.

As a group, the 15 companies represented in the rankings maintained their combined share of the total market, about 82%. Combined sales, however, were down 6.5% in lockstep with the national totals.

The most impressive gains last year in both gallonage and share of market were achieved by Citgo. This Tulsa-based major increased gasoline sales by almost 1.5-billion (up 23%) and its market share from 5.5% to 7%. Citgo moved only one notch up in the rankings, but the company has served notice that it will be a force to contend with in the U.S. retail gasoline market. Citgo added about 1,600 branded outlets to its retail network last year, setting the stage for much higher gallonage and market share rankings in the years ahead.

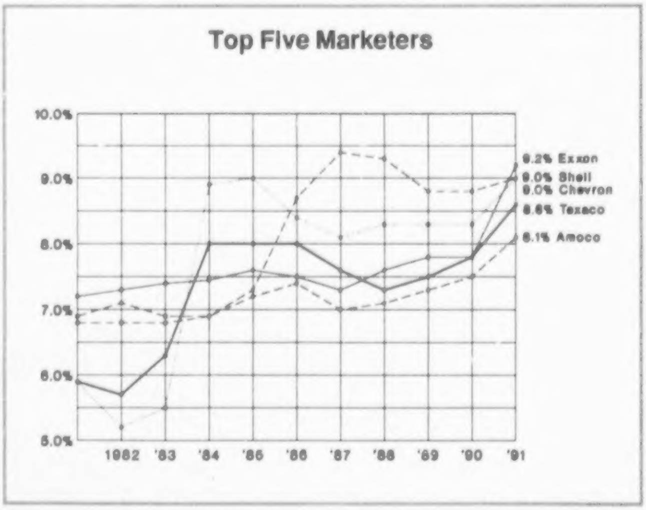
There were no other dramatic losses or gains in either market share or total gasoline sales among the remaining companies on last year's list. Eleven out of the 15 companies registered increases in total gallonage, with most of those in the 1-3% range. With the exception of Shell's 4% decline, gallonage decreases (for Sun and Conoco) were insignificant.

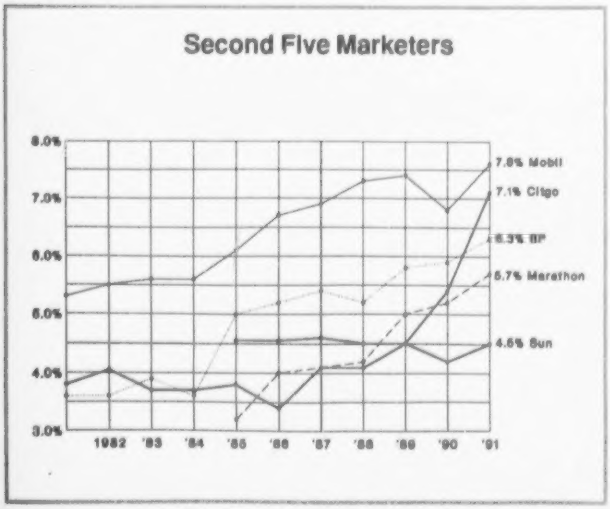
Other changes in the rankings, in addition to Exxon, Shell and Citgo, include Chevron (2nd to 3rd), Texaco (3rd to 4th), BP America (7th to 8th), Phillips and Unocal (which exchanged the 11th and 12th spots).

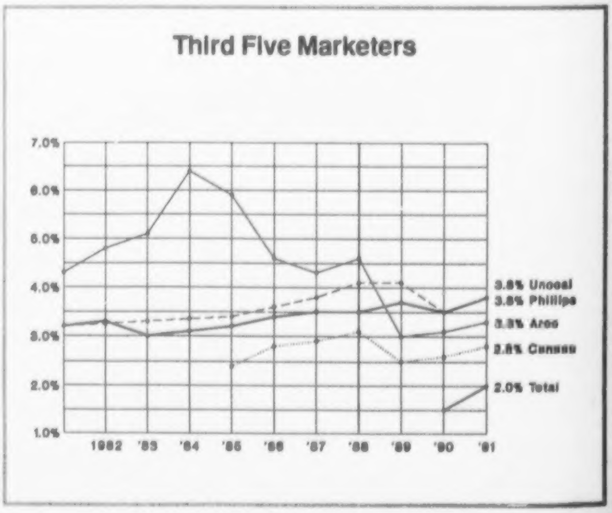
A fifteenth oil company was added to the *National Petroleum New's* market shares table in 1990. This was Denver-based Total Petroleum, the U.S. arm of the French-Canadian international oil giant. Total's market share, which has climbed to almost 2% in the past two years, now meets *NPN's* minimum requirement, 1% of the national market, for inclusion in the ranking.

With the addition of Total, there are now six companies among the top

Trends in Gasoline Market Shares


Top Five Marketers


Second Five Marketers


Third Five Marketers

15 which are totally or partially owned by foreign oil companies. These include Shell, BP America, Citgo, Conoco, Total and Star Enterprise. Combined, these companies account for about one-third of the gasoline sold in the United States.

Several other large companies, including Getty, Gulf, Southland, Circle K and Amerada Hess are somewhere around the 1-billion to 1.5-billion gal./year mark, but without official figures from any of them, it is very difficult, if not an impossible undertaking, to rank them. Hess, for example, provides data on refined product sales, but will not break the gasoline numbers out.

Chevron Keeps Lead as No.1 Refined Products Marketer

Although it experienced a 3% decline in volumes, Chevron held on to it leadership spot in refined product sales in 1991.

Chevron reported a 1991 total of 1.444-billion b/d in refined volumes for the year. Although this figure was down somewhat from the previous year's sales, it was well above the numbers reported by Exxon, which moved into the second slot in refined product sales.

Shell, No. 2 in the 1990 ranking, edged downward into the No. 3 position, although the compnay's total sales were up slightly.

The only other company in the 1-billion barrel per day club was Amoco, with 1.05-billion b/d.

With the exception of Exxon and Shell (up 9% and 5% respectively), the only other company to register a significant gain in refined products was Citgo, up almost 40% in 1991.

1991 Refined Product Sales

(000 b/d)

	1991	1990	% Chng.
Chevron	1,444	1,489	(3.0)%
Exxon	1,210	1,109	9.1
Shell	1,195	1,188	0.6
Amoco	1,052	1,014	3.7
Mobil	922	903	2.1
BP	891	925	(3.6)
Citgo	882	633	39.3
Texaco	869	858	1.2
Marathon	709	689	2.9
Sun	629	641	(1.8)
Phillips	534	524	1.9
Conoco	503	490	2.7
Arco	466	444	5.0
Unocal	436	443	(1.6)
Total Petro.	222	216	2.8

Gross Gasoline Gallonage and Relative Market Shares—1991(a)

NPN projection for this table: 1991 gross gasoline sales equal 108.0-billion gal.(b)

Company	—Rank— 1991	1990	% Share of Market	Gross Gal.(c) (000)	% Chng. vs. 1990
Exxon	1	4	9.170%	9,903,180	11.1%
Shell	2	1	9.027	9,749,880	(4.1)
Chevron	3	2	8.971	9,688,560	1.3
Texaco	4	3	8.568	9,252,881	3.0
Amoco	5	5	8.100	8,748,090	2.6
Mobil	6	6	7.580	8,186,220	2.5
Citgo	7	8	7.153	7,724,755	22.8
BP	8	7	6.345	6,852,510	-
Marathon	9	9	5.692	6,147,300	1.8
Sun	10	10	4.453	4,809,020	(0.1)
Unocal	11	12	3.796	4,100,000	2.5
Phillips	12	11	3.790	4,093,100	1.5
Arco	13	13	3.326	3,591,700	1.4
Conoco	14	14	2.782	3,004,700	(0.5)
Total Petro.	15	15	1.996	2,155,800	1.2
TOTAL			**82.2%**	**88,754,910**	**(6.5)%**

Gross Gasoline Gallonage and Relative Market Shares—1990(d)

FHA gasoline sales in 1990 totaled 114.7-billion gal.(b)

Company	—Rank— 1990	1989	% Share of Market	Gross Gal.(c) (000)	% Chng. vs. 1989
Shell	1	1	8.838%	10,163,790	0.5%
Chevron	2	2	8.318	9,565,920	—
Texaco	3	4	7.811	8,983,380	4.1
Exxon	4	3	7.798	8,968,050	0.5
Amoco	5	6	7.411	8,523,480	1.6
Mobil	6	5	6.945	7,986,930	(6.0)
BP	7	7	5.958	6,852,510	3.5
Citgo	8	9	5.470	6,290,970	22.8
Marathon	9	8	5.252	6,040,020	4.8
Sun	10	10	4.186	4,813,620	(5.7)
Phillips	11	12	3.506	4,031,790	(5.4)
Unocal	12	11	3.478	4,000,000	(18.8)
Arco	13	13	3.079	3,541,230	3.6
Conoco	14	14	2.626	3,020,010	4.2
Total Petro.	15	NR	1.852	2,130,100	(7.2)
TOTAL			**82.8%**	**94,911,700**	**3.0%**

NR = Not ranked.
(a) Preliminary.
(b) Retail gasoline gallonage for 1991 was projected by NPN based on Federal Highway Administration and American Petroleum Institute data. The gross gallonage statistics include some nonhighway consumption that cannot be separated out via federal and state compilations.
(c) Gross gallonage volumes as reported in annual reports, 10Ks and internal summaries. Specifically excluded are some privately owned companies that do not issue annual reports.
(d) Revised.

Share of Market — Top 20 Companies, 1989 (a)

PRODUCTION

	Crude Oil and NGL (b)			Natural Gas	
Company	**(Add 000 b/d)**	**% of Market**	**Company**	**Millions/CF**	**% of Market**
BP America	784.0	8.50%	Chevron	880,745	5.15%
Exxon	693.0	7.52	Amoco	756,280	4.42
Arco	660.0	7.16	Texaco	729,000	4.26
Shell	494.0	5.36	Exxon	666,855	3.90
Chevron	481.9	5.23	Mobil	644,000	3.76
Texaco	479.5	5.20	Arco	558,085	3.26
Amoco	390.0	4.23	Shell	532,535	3.11
Mobil	293.2	3.18	USX/Marathon	333,245	1.95
Phillips	254.0	2.76	Phillips	319,010	1.86
Unocal	165.0	1.79	Unocal	277,035	1.62
Oryx Energy	143.8	1.56	DuPont	273,750	1.60
USX/Marathon	143.5	1.56	Oryx Energy	269,735	1.58
Occidental	135.0	1.46	Occidental	266,450	1.56
DuPont	112.0	1.21	Union Pacific	153,300	0.90
Amerada Hess	71.0	0.77	Cons. Natl. Gas	147,000	0.86
Union Pacific	63.8	0.69	Anadarko	141,147	0.86
City of Long Beach	53.9	0.58	Mesa	137,167	0.80
Enron	53.3	0.58	Pennzoil	134,781	0.79
Sante Fe Pacific	50.7	0.55	Enron	123,319	0.72
Valero Energy	43.7	0.47	Amerada Hess	122,316	0.71

PROVED RESOURCES

	Crude Oil and NGL (b)			Natural Gas	
Company	**(Million/bbl.)**	**% of Market**	**Company**	**Billions/CF**	**% of Market**
Shell	2,861.0	8.35%	Amoco	12,254	7.33%
Arco	2,765.0	8.07	Exxon	9,365	5.60
BP America	2,579.0	7.53	Chevron	7,739	4.63
Exxon	2,487.0	7.26	Mobil	7,347	4.40
Chevron	1,763.0	5.14	Arco	6,452	3.86
Amoco	1,686.0	4.92	Shell	6,223	3.72
Texaco	1,565.0	4.57	Texaco	4,834	2.89
Mobil	1,202.0	3.51	Unocal	4,130	2.47
USX/Marathon	586.0	1.71	Phillips	3,585	2.15
Oryx Energy	571.0	1.67	USX/Marathon	2,792	1.67
Unocal	531.0	1.55	Occidental	2,489	1.49
DuPont	477.0	1.39	DuPont	2,232	1.34
Occidental	470.0	1.37	BP America	2,171	1.30
Phillips	459.0	1.34	Oryx Energy	2,146	1.28
Sante Fe Pacific	219.8	0.64	Mesa	2,110	1.26
Amerada Hess	203.0	0.59	Anadarko	1,671	1.00
Union Pacific	135.3	0.39	Union Pacific	1,422	0.85
Pennzoil	128.0	0.37	Enron	1,312	0.78
Mitchell Energy	88.5	0.26	Enserch	1,230	0.74
Mesa	86.6	0.25	Cons. Natl. Gas	1,211	0.72

REFINING CAPACITY

Company	Operable Capacity (000 b/d)	% of Total Capacity	Runs (c) (000 b/d)	% of U.S. Total	% Utilized
Chevron	1,621.0	10.68%	1,403.0	10.38%	86.6%
Exxon	1,147.0	7.56	999.0	7.39	87.1
Shell	1,078.6	7.10	927.0	6.86	85.9
Amoco	956.0	6.30	896.0	6.63	93.7
Mobil	838.0	5.52	722.0	5.34	86.1
BP America	756.6	4.98	717.0	5.30	94.8
USX/Marathon	603.0	3.97	554.0	4.10	91.9
Texaco	595.0	3.92	619.0	4.58	104.3
Sun	595.0	3.92	561.2	4.15	94.3
Arco	559.0	3.68	531.1	3.93	95.0
DuPont	406.5	2.68	396.0	2.93	97.4
Ashland	346.5	2.28	318.1	2.35	91.8
Petroles de Venezuela	344.5	2.27	274.3	2.03	79.6
Koch	310.0	2.04	N/A	N/A	N/A
Phillips	305.0	2.01	293.0	2.17	96.1
Coastal	302.8	1.99	262.4	1.94	86.7
Aramco	295.0	1.94	298.4	2.21	101.1
Solomon	277.1	1.82	N/A	N/A	N/A
Total Petroleum	190.1	1.25	187.1	1.38	98.4

(a) This report is updated biennially; hence, the 1990 data will not be available until October 1992.

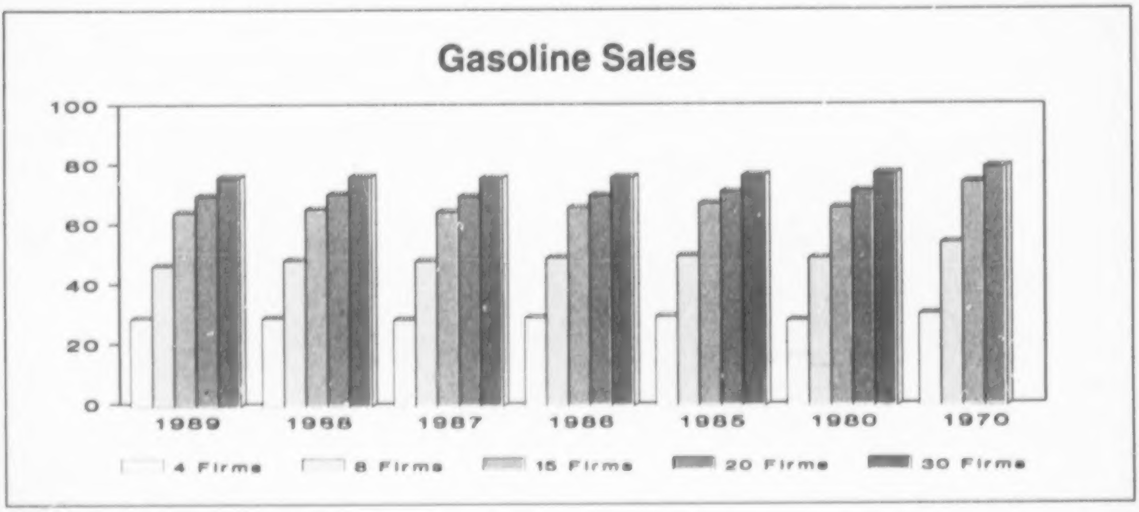
(b) Natural Gas Liquids and Condensates.

(c) Runs are not listed in the usual ranking order; they are keyed to operable capacities in column 1; hence some are not listed in the correct numerical positions.

Source: American Petroleum Institute, Discussion Paper #014R, October 1990.

Share of Market — Concentration Ratios

(% of U.S Total)



Gasoline Sales

	1989	1988	1987	1986	1985	1980	1970
4 Firms	29.3	29.4	28.9	29.5	29.8	28.5	30.7
8 Firms	47.0	48.9	48.7	49.6	50.3	49.5	54.6
15 Firms	64.7	65.9	65.0	66.4	67.7	66.3	74.9
20 Firms	70.3	70.9	70.2	70.5	71.8	72.1	80.0
30 Firms	76.6	76.8	76.4	76.6	77.2	77.9	—

Proved Reserves of Crude Oil and Liquids

	1989	1988	1987	1986	1985	1980	1970
4 Firms	31.2	31.3	31.6	29.7	29.3	31.1	—
8 Firms	49.3	43.9	48.9	47.1	47.6	46.3	—
15 Firms	59.0	58.7	58.5	57.2	57.9	59.5	—
20 Firms	60.9	60.5	60.5	59.3	60.0	62.7	—
30 Firms	62.4	62.0	62.0	61.0	61.7	65.2	—

Production of Crude Oil and Liquids

	1989	1988	1987	1986	1985	1980	1970
4 Firms	28.5	28.7	28.3	26.6	26.1	25.3	26.3
8 Firms	46.4	46.3	46.1	44.6	43.5	40.8	41.7
15 Firms	57.5	57.2	57.3	56.4	55.2	56.1	56.9
20 Firms	60.4	60.2	60.6	59.7	58.4	60.6	61.1
30 Firms	63.2	62.8	63.9	63.2	61.9	64.8	—

Refining Capacity

	1989	1988	1987	1986	1985	1980	1970
4 Firms	31.6	32.3	32.3	33.2	34.4	29.0	32.5
8 Firms	50.0	53.3	52.0	53.0	54.4	49.0	57.5
15 Firms	68.9	72.8	70.5	71.6	73.0	67.0	78.1
20 Firms	77.9	80.4	77.2	79.0	80.3	74.5	84.3
30 Firms	88.2	89.0	86.3	87.9	88.8	82.3	—

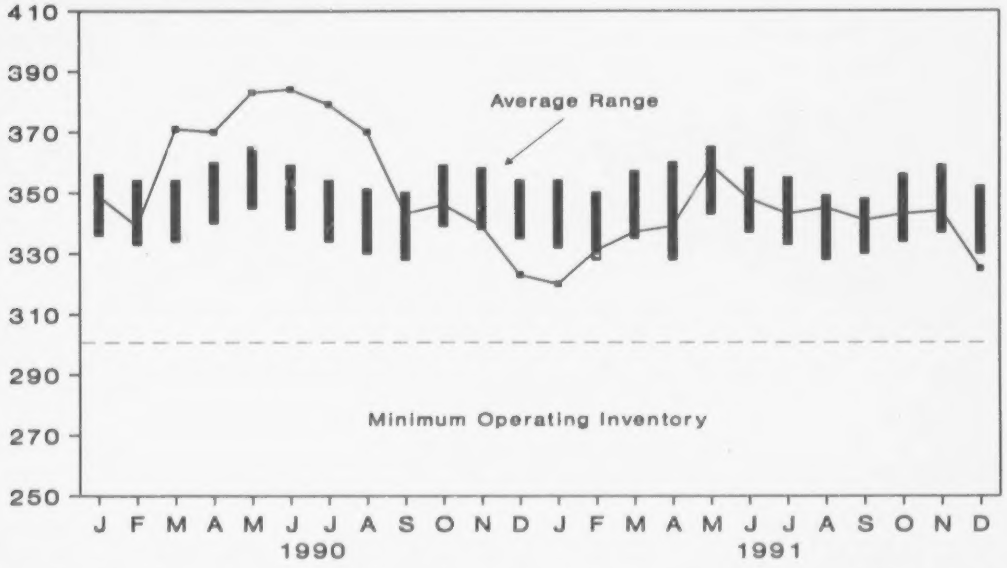
Refinery Runs

	1989	1988	1987	1986	1985	1980	1970
4 Firms	31.3	31.7	32.6	33.2	33.9	31.2	34.2
8 Firms	50.6	53.5	54.0	55.3	57.3	53.9	61.0
15 Firms	71.0	74.1	73.1	74.7	76.5	73.6	74.6
20 Firms	78.9	80.7	79.2	80.9	82.5	81.5	91.1

Source: American Petroleum Institute, Market Shares and Individual Company Data for U.S. Energy Markets, 1950-1989, October 1990.

Stocks of Crude Oil, U.S. Total

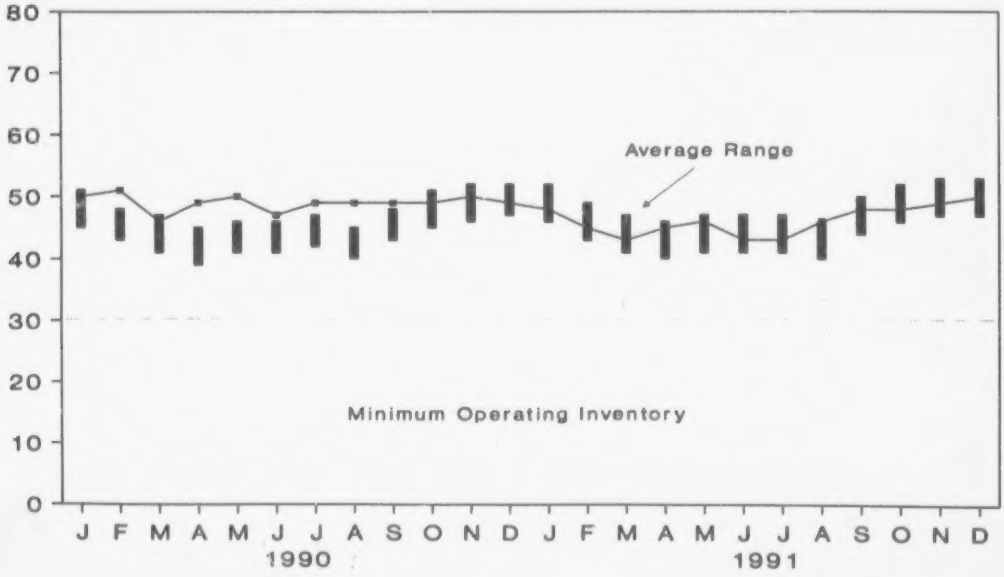
(Millions of bbl.)



Crude Stocks at Primary Levels include those held at refineries, in pipelines and in lease tanks, but do not include those held in the Strategic Petroleum Reserve operated by the U.S. Government. The average level and width of average range are based on three years of monthly data. The seasonal pattern is based on seven years of monthly data. National Petroleum Council defines the Minimum Operating Inventory at the minimum level required for routine operation. By its definition, runouts and shortages could occur if inventory levels fall below that level for any extended period of time.

Stocks of Residual Fuel Oil, U.S. Total

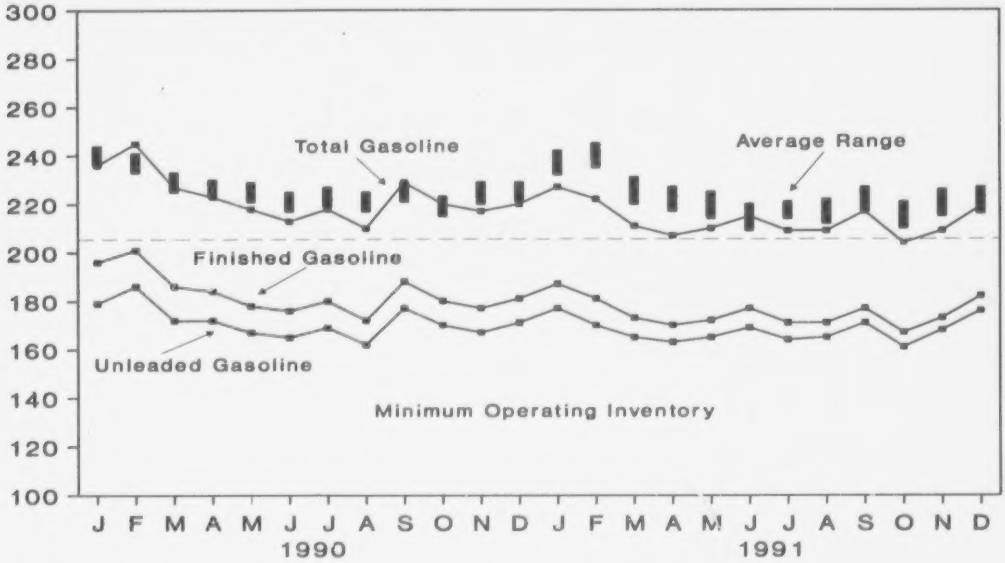
(Millions of bbl.)



Source: Energy Information Administration, Weekly Statistical Reports, 1990-1991.

Stocks of Motor Gasoline, U.S. Total

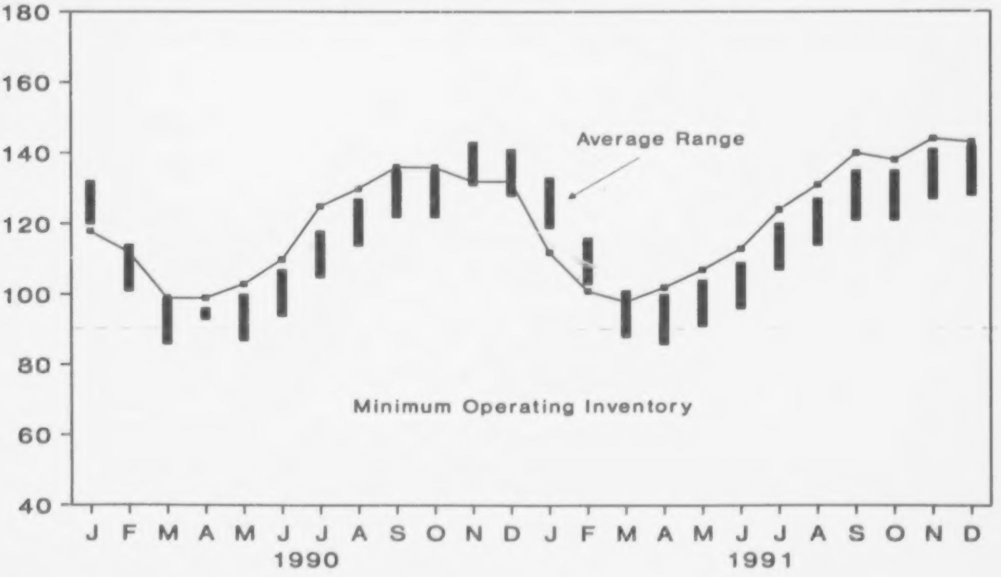
(Millions of bbl.)



Product stocks at the Primary Level include those held at refineries, in pipelines and at major bulk terminals. They do not include stocks held is secondary distribution facilities such as jobber tanks, consumer tanks, and/or barges designed for consumer markets. The average level and width of average range are based on three years of monthly data. The seasonal pattern is based on seven years of monthly data. National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By its definition, runouts and shortages could occur if inventory levels fall below that level for any extended period of time.

Stocks of Distillate Fuel Oil, U.S. Total

(Millions of bbl.)



Source: Energy Information Administration, Weekly Statistical Reports, 1990-1991.

Petroleum Products Supplied

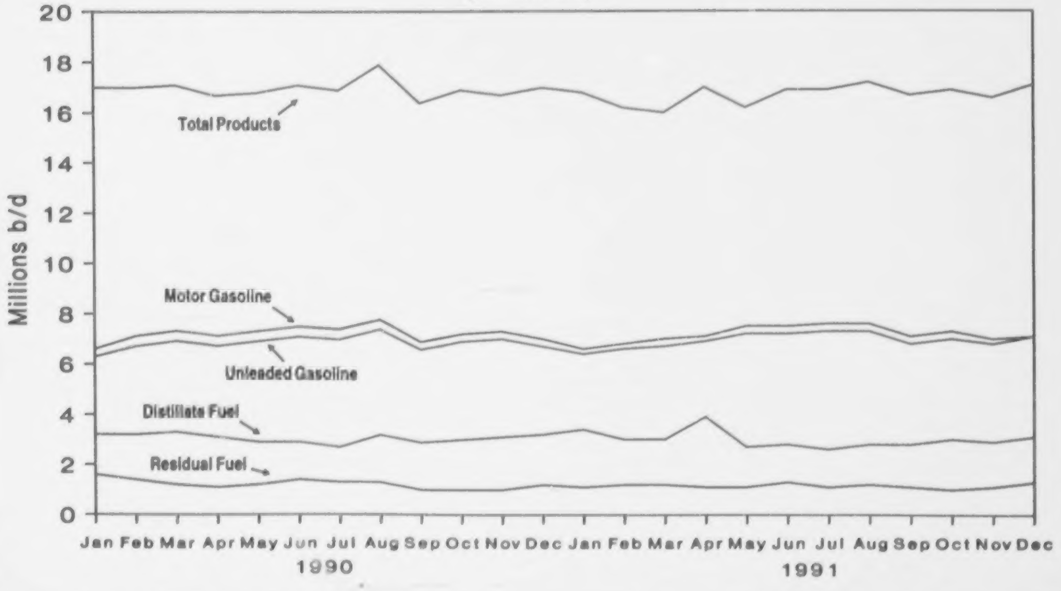
(Million b/d)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1991												
Finished Motor Gasoline	6.6	6.8	7.0	7.1	7.5	7.5	7.6	7.6	7.1	7.3	7.0	7.2
Leaded	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1
Unleaded	6.4	6.6	6.7	6.9	7.2	7.2	7.3	7.3	6.8	7.0	6.8	7.1
Jet Fuel	1.5	1.5	1.4	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Distillate Fuel Oil	3.4	3.0	3.0	3.9	2.7	2.8	2.6	2.8	2.8	3.0	2.9	3.1
Residual Fuel Oil	1.1	1.2	1.2	1.1	1.1	1.3	1.1	1.2	1.1	1.0	1.1	1.3
Other	4.2	3.7	3.4	3.6	3.6	3.8	4.1	4.1	4.2	4.1	4.1	4.0
Total	**16.8**	**16.2**	**16.0**	**17.0**	**16.2**	**16.9**	**16.9**	**17.2**	**16.7**	**16.9**	**16.6**	**17.1**
1990												
Finished Motor Gasoline	6.6	7.1	7.3	7.1	7.3	7.5	7.4	7.8	6.9	7.2	7.3	7.0
Leaded	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
Unleaded	6.3	6.7	6.9	6.7	6.9	7.1	7.0	7.4	6.6	6.9	7.0	6.7
Jet Fuel	1.6	1.5	1.4	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.6	1.7
Distillate Fuel Oil	3.2	3.2	3.3	3.1	2.9	2.9	2.7	3.2	2.9	3.0	3.1	3.2
Residual Fuel Oil	1.6	1.4	1.2	1.1	1.2	1.4	1.3	1.3	1.0	1.0	1.0	1.2
Other	4.0	3.7	3.9	3.9	4.0	3.9	4.1	4.2	4.2	4.1	3.8	4.1
Total	**17.0**	**17.0**	**17.1**	**16.7**	**16.8**	**17.1**	**16.9**	**17.9**	**16.4**	**16.9**	**16.7**	**17.0**
1989												
Finished Motor Gasoline	6.7	7.1	7.4	7.2	7.4	7.8	7.3	7.7	7.2	7.3	7.4	7.4
Leaded	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.6	0.5
Unleaded	5.8	6.1	6.4	6.2	6.5	6.9	6.5	6.9	6.4	6.6	6.8	6.9
Jet Fuel	1.5	1.5	1.5	1.4	1.3	1.5	1.4	1.5	1.5	1.5	1.5	1.7
Distillate Fuel Oil	3.3	3.4	3.4	3.0	3.0	3.0	2.6	3.0	2.9	3.1	3.3	3.9
Residual Fuel Oil	1.6	1.7	1.6	1.4	1.1	1.2	1.3	1.1	1.0	1.3	1.2	1.9
Other	4.1	4.1	4.1	3.6	3.8	3.9	3.9	4.0	4.0	4.0	3.8	3.9
Total	**17.3**	**17.9**	**18.0**	**16.6**	**16.5**	**17.5**	**16.5**	**17.4**	**16.8**	**17.3**	**17.7**	**18.9**

Source: Energy Information Administration, Petroleum Supply Monthly, February 1992, and Weekly Status Reports, 1990-1991; graph by NPN.

Domestic Product Supply Trends

(Millions b/d)



Stocks of Motor Gasoline

(Add 000,000 bbl.)

Year/Region	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1991												
Finished Motor Gasoline	187.2	180.8	172.6	170.3	172.0	176.0	171.4	171.1	177.4	166.5	173.3	181.7
Leaded	10.0	10.5	8.0	7.4	7.2	7.4	7.3	6.5	6.6	6.0	5.5	5.3
Unleaded	177.2	170.4	164.6	162.8	164.8	169.3	164.1	164.6	170.8	160.6	167.8	176.4
Blending Components	40.0	41.0	38.7	36.4	37.5	37.8	37.3	38.1	39.2	37.2	35.9	37.5
Total Gasoline	**227.3**	**221.9**	**211.3**	**206.6**	**209.5**	**214.6**	**208.7**	**209.1**	**216.6**	**203.7**	**209.2**	**219.2**
East Coast	63.1	54.5	54.0	57.0	58.9	60.6	54.4	54.4	59.4	53.5	55.5	55.7
Midwest	57.8	61.5	57.5	56.4	54.0	52.6	56.4	59.6	59.1	54.6	54.1	56.8
Gulf Coast	65.2	64.3	61.5	56.8	60.2	63.5	62.8	61.4	62.5	60.8	62.0	66.4
Rocky Mountain	7.8	8.4	8.0	7.2	6.8	6.6	5.9	5.2	5.7	6.1	6.9	7.4
West Coast	33.3	33.1	30.2	29.2	29.5	31.2	29.2	28.6	29.9	28.6	30.7	32.9
1990												
Finished Motor Gasoline	196.3	201.0	185.5	184.2	178.3	175.5	179.7	172.4	187.8	180.2	176.9	180.6
Leaded	17.8	15.3	13.4	12.6	11.9	10.5	10.5	10.5	11.3	10.5	9.8	9.9
Unleaded	178.5	185.7	172.2	171.6	166.5	165.0	169.2	161.9	176.5	169.7	167.1	170.7
Blending Components	39.9	44.0	41.7	38.8	39.1	37.1	38.5	37.3	40.9	39.8	40.3	39.0
Total Gasoline	**236.3**	**245.0**	**227.3**	**223.0**	**217.5**	**212.6**	**218.2**	**209.7**	**228.6**	**220.0**	**217.2**	**219.6**
East Coast	60.8	66.7	62.0	62.3	61.6	58.1	60.7	58.7	63.5	57.6	55.8	59.1
Midwest	64.6	66.8	61.0	59.7	58.7	59.4	57.3	55.8	61.3	57.6	55.5	55.3
Gulf Coast	68.0	71.4	64.9	61.1	60.9	61.6	66.4	61.4	65.9	66.4	67.6	66.4
Rocky Mountain	8.5	8.4	7.7	7.2	7.0	6.6	6.2	5.9	6.3	6.5	7.2	7.5
West Coast	34.4	31.6	31.7	32.7	29.2	27.0	27.6	27.9	31.7	31.8	31.1	31.3

Stocks of Distillate Fuel Oil

(Add 000,000 bbl.)

Year/Region	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1991												
Total U.S.	**112.1**	**101.2**	**98.3**	**102.2**	**107.1**	**113.5**	**124.3**	**130.6**	**139.4**	**138.2**	**144.4**	**143.4**
East Coast	39.8	31.7	29.7	31.6	35.4	43.3	50.6	56.1	61.7	65.5	66.7	63.4
Midwest	30.1	29.8	30.0	30.6	31.7	31.3	33.2	33.1	32.1	30.4	32.2	33.0
Gulf Coast	27.2	25.4	25.1	26.7	25.5	24.7	27.3	28.5	31.0	28.5	31.2	31.7
Rocky Mountain	3.2	3.3	3.5	3.1	3.4	3.3	3.2	2.9	2.8	2.5	2.8	3.2
West Coast	11.8	11.0	10.0	10.2	11.1	10.9	10.0	10.0	11.8	11.3	11.5	12.1
1990												
Total U.S.	**117.6**	**111.6**	**98.9**	**99.2**	**102.5**	**109.9**	**125.0**	**129.8**	**136.0**	**136.3**	**132.5**	**132.3**
East Coast	44.2	39.5	30.8	29.9	33.2	40.6	51.6	56.9	62.8	65.2	60.7	55.6
Midwest	33.2	32.6	30.1	29.4	30.0	30.0	31.6	30.4	30.0	28.7	30.0	32.7
Gulf Coast	25.6	24.4	23.4	25.5	24.0	24.9	28.4	29.0	29.3	29.5	27.0	28.2
Rocky Mountain	3.2	3.2	2.7	2.7	2.9	3.1	3.1	2.5	2.5	2.5	2.8	3.3
West Coast	11.4	11.9	11.9	11.7	12.4	11.3	10.2	11.0	11.4	10.4	12.0	12.5

Stocks of Residual Fuel Oil

(Add 000,000 bbl.)

Year/Region	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1991												
Total U.S.	**47.5**	**44.7**	**43.0**	**44.7**	**45.8**	**43.6**	**43.3**	**45.6**	**48.0**	**48.2**	**49.0**	**49.9**
East Coast	21.9	17.0	14.9	16.0	18.2	18.0	17.3	18.0	20.6	21.3	21.6	23.4
Midwest	3.4	3.5	3.7	3.9	3.9	3.8	3.9	3.9	3.4	3.5	3.4	3.4
Gulf Coast	14.4	14.9	14.3	15.6	14.8	13.8	14.1	15.1	14.9	14.5	15.3	14.9
Rocky Mountain	0.4	0.4	0.5	0.5	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.6
West Coast	7.4	8.9	9.6	8.7	8.3	7.4	7.5	8.0	8.5	8.3	8.1	7.6
1990												
Total U.S.	**50.1**	**51.2**	**46.2**	**49.0**	**49.8**	**46.7**	**49.0**	**49.0**	**49.5**	**49.4**	**50.2**	**48.6**
East Coast	22.4	23.2	18.4	19.1	19.9	20.1	21.5	21.4	22.3	22.5	22.2	23.3
Midwest	3.6	3.5	3.5	3.7	4.1	3.8	3.6	3.8	4.1	3.7	3.4	3.3
Gulf Coast	15.2	16.0	15.8	16.3	16.1	14.0	14.6	14.7	14.6	15.2	15.4	14.4
Rocky Mountain	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
West Coast	8.4	8.1	8.0	9.4	9.2	8.3	8.8	8.6	8.0	7.5	8.7	7.1

Source: Energy Information Administration, Weekly Petroleum Status Report, Feb. 28, 1992.

Refinery and Bulk Terminal Stocks By State and PAD District, 1991(a)

(Add 000 bbl.)

PAD District and State	Leaded Gasoline	Unleaded Gasoline	Kerosine	Distillate	Residual
PAD District 1					
Connecticut	0	1,122	36	3,371	381
Delaware, D.C., Maryland	8	2,023	81	5,026	2,543
Florida	0	4,836	83	2,148	1,675
Georgia	0	2,093	91	1,212	311
Maine, New Hampshire, Vermont	0	734	240	2,592	690
Massachusetts	0	1,380	134	2,627	905
New Jersey	3	7,370	61	16,658	9,397
New York	1	5,035	382	9,655	5,045
North Carolina	2	1,835	151	1,648	392
Pennsylvania	2	5,452	605	5,574	868
Rhode Island	0	873	W	1,179	W
South Carolina	0	1,190	93	878	W
Virginia	12	2,718	89	2,974	624
West Virginia	10	158	W	127	W
Total	**38**	**36,819**	**2,046**	**55,669**	**22,831**
PAD District 2					
Illinois	32	7,041	212	4,687	1,375
Indiana	194	3,617	125	3,645	380
Iowa	2	1,443	W	1,378	W
Kansas, Nebraska	71	2,129	44	2,001	52
Kentucky	8	1,505	55	838	W
Michigan	50	3,430	159	2,165	136
Minnesota	12	1,704	W	1,584	273
Missouri	4	1,280	W	907	W
North Dakota, South Dakota	56	895	W	938	W
Ohio	4	4,004	459	2,171	348
Oklahoma	49	1,929	W	1,457	414
Tennessee	0	1,645	71	1,046	177
Wisconsin	0	1,765	W	1,618	30
Total	**482**	**32,387**	**1,125**	**24,435**	**3,185**
PAD District 3					
Alabama	0	1,283	65	955	481
Arkansas	0	736	W	528	W
Louisiana	0	5,622	333	4,823	6,027
Mississippi	0	2,217	9	2,364	W
New Mexico	101	345	W	341	11
Texas	368	20,015	681	14,104	8,118
Total	**469**	**30,218**	**1,088**	**23,115**	**14,637**
PAD District 4					
Colorado	199	948	W	522	W
Idaho	137	271	W	255	W
Montana	340	796	W	614	79
Utah	134	403	W	488	160
Wyoming	203	733	W	735	W
Total	**1,013**	**3,151**	**—**	**2,614**	**239**
PAD District 5					
Alaska	44	671	W	1,127	W
Arizona	273	626	W	249	W
California	610	13,595	45	6,197	4,976
Hawaii	16	779	W	683	W
Nevada	40	310	W	148	W
Oregon	562	985	W	880	112
Washington	1,156	2,633	W	1,739	1,157
Total	**2,701**	**19,599**	**45**	**11,023**	**6,245**
U.S. Total	**4,703**	**122,174**	**4,304**	**116,856**	**47,137**

(a) Stocks are reported as of the last day of the month. W = Withheld to avoid disclosure of individual company data.

Source: Energy Information Administration, Petroleum Supply Monthly, Table 52, February 1992.

U.S. Crude Oil Production, 1981 — 1990

(Thousands of b/d)

	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981
PAD District 1										
Florida	15.5	20.0	21.2	22.7	25.7	31.4	39.6	53.4	70.2	95.3
New York	1.1	1.4	1.5	1.9	2.3	2.9	2.3	2.3	2.3	2.3
Pennsylvania	7.2	7.4	7.7	9.0	10.4	13.3	11.7	11.7	11.7	10.2
Virginia	**	**	**	**	**	**	**	0.2	0.1	**
West Virginia	5.9	6.1	7.2	7.8	8.6	9.7	9.7	9.9	8.9	9.5
Total	**29.7**	**34.9**	**37.6**	**41.4**	**47.0**	**57.3**	**63.3**	**77.5**	**93.2**	**117.3**
PAD District 2										
Illinois	54.7	55.8	61.4	65.7	74.6	82.9	79.1	80.0	75.9	66.0
Indiana	8.2	9.1	10.0	10.2	13.0	14.2	15.1	14.6	15.2	12.9
Kansas	151.9	152.0	160.7	164.1	183.7	206.6	207.5	196.1	193.2	180.3
Kentucky	14.8	14.8	14.9	15.7	17.7	21.3	21.3	21.6	20.2	17.9
Michigan	53.9	59.1	63.5	71.2	70.4	74.8	83.7	86.9	86.2	89.5
Missouri	0.4	0.4	0.4	0.3	0.3	0.6	0.8	0.7	0.6	0.6
Nebraska	16.1	17.1	16.3	16.7	19.4	19.0	17.7	17.5	18.8	18.3
North Dakota	100.6	100.7	107.5	113.3	125.0	139.3	144.3	138.9	129.5	124.4
Ohio	27.4	28.0	32.0	33.3	36.8	41.1	41.8	41.0	39.9	37.1
Oklahoma	307.6	321.9	352.1	368.2	386.6	445.9	461.3	434.5	434.6	422.1
South Dakota	4.5	4.4	4.5	4.5	4.3	4.4	3.7	3.2	3.2	2.7
Tennessee	1.4	1.5	1.6	1.7	2.1	2.9	3.3	3.6	3.7	3.2
Total	**741.5**	**764.8**	**824.9**	**864.9**	**933.9**	**1,053.0**	**1,079.6**	**1,038.6**	**1,021.0**	**975.0**
PAD District 3										
Alabama	50.8	54.3	56.8	56.5	57.9	59.1	54.3	51.4	54.8	56.6
Arkansas	28.5	30.9	37.2	39.0	43.2	52.2	51.3	51.6	51.6	50.3
Louisiana	1,069.6	1,107.7	1,194.4	1,304.2	1,403.0	1,392.4	1,411.7	1,313.9	1,255.9	1,231.0
Mississippi	74.1	75.1	75.3	77.0	82.2	83.9	89.8	86.2	90.5	93.7
New Mexico	184.2	188.3	194.6	198.2	207.4	215.2	217.4	205.9	194.6	196.1
Texas	1,932.8	1,961.8	2,084.2	2,152.0	2,300.3	2,435.2	2,478.8	2,473.0	2,535.1	2,589.4
Total	**3,340.0**	**3,418.1**	**3,642.5**	**3,826.9**	**4,094.0**	**4,238.0**	**4,303.3**	**4,182.0**	**4,182.5**	**4,217.1**
PAD District 4										
Colorado	83.4	84.0	88.4	78.9	80.3	82.9	79.0	79.6	83.7	83.0
Montana	54.3	57.4	63.8	68.7	74.2	81.6	81.5	80.1	84.7	84.4
Utah	75.6	77.9	90.2	98.0	107.3	111.8	95.0	80.9	61.5	70.9
Wyoming	284.5	295.1	311.4	315.8	332.4	352.1	340.5	324.1	324.1	357.7
Total	**497.8**	**514.4**	**553.8**	**561.4**	**594.2**	**628.4**	**596.0**	**564.7**	**554.0**	**596.0**
PAD District 5										
Alaska	1,773.5	1,873.9	2,016.8	1,961.5	1,866.6	1,825.3	1,727.1	1,713.8	1,695.6	1,609.1
Arizona	0.3	0.4	0.3	0.4	0.4	0.5	0.6	0.6	0.9	1.0
California	961.4	997.9	1,054.7	1,084.1	1,114.2	1,161.3	1,128.8	1,108.7	1,100.2	1,054.7
Nevada	11.0	8.8	8.8	8.5	8.0	8.3	5.2	2.2	1.7	1.9
Total	**2,746.2**	**2,881.0**	**3,080.6**	**3,054.5**	**2,989.2**	**2,995.4**	**2,861.7**	**2,825.3**	**2,798.4**	**2,666.7**
Total U.S.	**7,355.2**	**7,613.2**	**8,139.4**	**8,349.1**	**8,658.3**	**8,972.1**	**8,903.9**	**8,688.1**	**8,649.1**	**8,572.1**

**Less than 100 b/d.

Source: Independent Petroleum Assn. of America, "The Oil and Natural Gas Producing Industry in Your State," 1991-1992.

IPAA's New Outlook: Demand Up Slightly

The latest short-run forecast of domestic supply and demand from the Independent Petroleum Assn. of America (IPAA) anticipates a modest improvement in product demand, but continued softness in production, through the end of 1992.

The forecast by IPAA's supply and demand committee, released in March, predicts domestic consumption will increase for gasoline, distillate and aviation fuels, but decline for residual fuels. Excluding exports, which are expected to drop by 12% compared to the previous year's figures.

On the supply side, IPAA's forecast shows a continuing slide in domestic oil production, with crude oil output falling about 3% for the year. Crude oil imports, on the other hand, are projected to increase by 4% in 1992.

1992 Forecast

DEMAND

(000 b/d)

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1992 Average	1991-1992 % Change
Domestic Products						
Motor Gasoline	6,930	7,353	7,380	7,237	7,226	0.5%
Aviation Fuels	1,532	1,455	1,533	1,579	1,525	2.4
Distillate Fuel	3,244	2,800	2,778	3,180	3,000	2.7
Residual Fuel Oil	1,224	1,082	1,096	1,195	1,149	(0.3)
Other Products	3,877	3,796	4,198	4,047	3,980	2.4
Total Domestic Demand	**16,807**	**16,486**	**16,985**	**17,238**	**16,880**	**1.4**
Total Exports	**970**	**851**	**833**	**867**	**880**	**(12.1)**
TOTAL DEMAND	**17,777**	**17,337**	**17,818**	**18,105**	**17,760**	**0.7**

SUPPLY

(000 b/d)

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1992 Average	1991-1992 % Change
Domestic Production						
Crude Oil	7,250	7,189	7,131	7,063	7,158	(2.9%)
Natural Gas Liquids	1,639	1,615	1,604	1,629	1,622	(1.8)
Total Production	**8,889**	**8,804**	**8,735**	**8,692**	**8,780**	**(2.7)**
Imports						
Motor Gasoline	252	414	353	307	332	0.0
Aviation Fuels	61	81	74	72	72	16.1
Distillate Fuel	187	205	191	268	213	4.9
Residual Fuel Oil	401	418	451	491	441	(1.6)
Other Products	718	764	809	780	767	2.5
Total Products	**1,619**	**1,882**	**1,878**	**1,918**	**1,825**	**1.8**
Crude Oil Imports	5,634	5,975	6,339	6,099	6,014	4.0
Total Imports	**7,253**	**7,857**	**8,217**	**8,017**	**7,839**	**3.5**
Other Supply	1,005	1,012	1,186	1,114	1,078	(26.8)
TOTAL SUPPLY	**17,147**	**17,673**	**18,138**	**17,823**	**17,697**	**(2.1)**
REFINERY INPUTS	**12,937**	**13,153**	**13,570**	**13,372**	**13,260**	**(0.3%)**

CLOSING STOCKS

(000,000 b/d)

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1992 Average	1991-1992 % Change
Motor Gasoline	220.7	214.2	214.7	219.5	219.5	4.1%
Aviation Fuels	47.0	49.9	48.1	47.0	47.0	(2.7)
Distillate Fuel	108.5	112.9	132.6	135.7	135.7	(4.4)
Residual Fuel Oil	44.4	43.5	45.3	46.1	46.1	(5.9)
Other Products	248.8	274.8	288.3	261.3	261.3	(6.4)
Total Products	**669.4**	**695.3**	**729.0**	**709.6**	**709.6**	**(2.7)**
Crude Oil Stocks	339.7	344.4	340.1	333.6	333.6	(1.0)
TOTAL STOCKS	**1,009.1**	**1,039.7**	**1,069.1**	**1,043.2**	**1,043.2**	**(2.2)**
IMPORTS AS % OF DEMAND	**43.2%**	**47.7%**	**48.4%**	**46.5%**	**46.4%**	

Notes: Other supply products include refinery processing gain, unaccounted crude oil and other hydrocarbons. SPR imports and stocks are excluded. Refinery Crude Runs include crude oil, NGL, unfinished oils and other hydrocarbons.
Source: IPAA Supply and Demand Committee, March 1992.

U.S. Refinery Operations

(Add 000 b/d)

	Full Year			4th Quarter			3rd Quarter			2nd Quarter		
U.S. Refinery Operations	1991	1990	% Chng.	1991	1990	% Chng.	1991	1990	% Chng.	1991	1990	% Chng.
Input to crude oil distillation units	13,487	13,610	(0.9)	13,236	13,073	1.2	13,980	14,316	(2.3)	13,682	13,573	0.8
Operable capacity	15,709	15,624	0.5	15,721	15,663	0.4	15,712	15,667	0.3	15,678	15,587	0.6
Refinery utilization (%)	85.9	87.1	(1.4)	84.2	83.5	0.8	89.0	91.4	(2.6)	87.3	87.1	0.2
Crude oil runs	13,281	13,409	(1.0)	13,029	12,828	1.6	13,799	14,153	(2.5)	13,494	13,375	0.9

Source: American Petroleum Institute, Monthly Statistical Reports, 1991.

Crude Oil and Product Inventories

(Add 000,000 bbl.)

	Full Year			4th Quarter			3rd Quarter			2nd Quarter		
Stocks	1991	1990	% Chng.	1991	1990	% Chng.	1991	1990	% Chng.	1991	1990	% Chng.
Crude oil (a)	327.8	322.7	1.6	327.8	322.7	1.6	338.8	342.6	(1.1)	349.6	384.2	(9.0)
Unfinished oils	99.4	98.7	0.7	99.4	98.7	0.7	109.6	112.7	(2.8)	109.2	117.2	(6.8)
Total motor gasoline (b)	220.1	219.6	0.2	220.1	219.6	0.2	215.3	228.6	(5.8)	217.9	212.6	2.5
Finished leaded gasoline	5.4	9.9	(45.5)	5.4	9.9	(45.5)	6.9	11.3	(38.9)	7.4	10.5	(29.5)
Finished unleaded gasoline	177.1	170.7	3.7	177.1	170.7	3.7	170.3	176.5	(3.5)	170.7	165.0	3.5
Naphtha jet	4.7	6.2	(24.2)	4.7	6.2	(24.2)	5.0	6.1	(18.0)	5.8	7.0	(17.1)
Kerosine jet	45.0	45.9	(2.0)	45.0	45.9	(2.0)	45.8	43.8	4.6	42.8	40.4	5.9
Distillate fuel oil	143.2	132.2	8.3	143.2	132.2	8.3	137.4	136.0	1.0	113.3	109.9	3.1
Residual fuel oil	48.9	48.6	0.6	48.9	48.6	0.6	47.8	49.4	(3.2)	44.1	46.8	(5.8)
All other fuel oils	153.7	161.0	(4.5)	153.7	161.0	(4.5)	195.3	189.4	3.1	188.2	180.3	4.4
Total all oils	**1,042.8**	**1,034.9**	**0.8**	**1,042.8**	**1.034.9**	**0.8**	**1,095.0**	**1,108.6**	**(1.2)**	**1,070.9**	**1,098.4**	**(2.5)**

(a) Does not include Strategic Petroleum Reserve; (b) Total includes lead and unleaded gasoline and blending components.
Source: American Petroleum Institute, Monthly Statistical Reports, 1991.

Domestic Supply Trend

(Add 000 bbl.)

Year	All products	Gasoline	Kerosine (a)	Distillate	Residual	LPG	Lubes	Other
1991	6,097	2,625	552	1,065	420	603	53	779
1990	6,170	2,633	569	1,102	447	565	59	795
1989	6,288	2,675	543	1,152	500	609	58	751
1988	6,261	2,670	481	1,132	487	631	58	802
1987	6,083	2,630	465	1,086	461	588	59	794
1986	5,943	2,576	439	1,064	518	555	52	739
1985	5,740	2,493	404	1,047	439	584	53	720

(a) Kerosine includes jet fuel.
Source: Energy Information Administration, Petroleum Supply Monthlies, Table 5, February 1991 and 1992.

U.S. Estimated Petroleum Balance

(Add 000 b/d)

	Full Year			4th Quarter			3rd Quarter			2nd Quarter		
Petroleum Products Supplied From Primary Storage (a)	1991	1990	% Chng.	1991	1990	% Chng.	1991	1990	% Chng.	1991	1990	% Chng.
Products Supplied:												
Motor gasoline, total	7,182	7,235	(0.7)	7,125	7,148	(0.3)	7,427	7,407	0.3	7,251	7,333	(1.1)
Finished leaded gasoline	256	385	(33.5)	203	303	(33.0)	287	382	(24.9)	283	420	(32.6)
Finished unleaded gasoline	6,926	6,850	1.1	6,922	6,845	1.1	7,140	7,025	1.6	6,968	6,913	0.8
Naphtha jet	176	182	(3.3)	170	183	(7.1)	183	180	1.7	179	182	(1.6)
Kerosine jet	1,302	1,340	(2.8)	1,354	1,384	(2.2)	1,335	1,317	1.4	1,187	1,323	(10.3)
Distillate fuel oil	2,924	3,021	(3.2)	3,040	2,955	2.9	2,776	2,937	(5.5)	2,807	2,955	(5.0)
Residual fuel oil	1,167	1,229	(5.0)	1,212	1,097	10.5	1,132	1,177	(3.8)	1,154	1,226	(5.9)
All other oils	4,142	4,127	0.4	4,233	4,158	1.8	4,264	4,414	(3.4)	3,855	3,989	(3.4)
Reclassified	-245	-145	69.0	-215	-217	(0.9)	-270	-209	29.2	-214	-56	382.1
Total Domestic Products Supplied	**16,648**	**16,989**	**(2.0)**	**16,919**	**16,708**	**1.3**	**16,847**	**17,223**	**(2.2)**	**16,219**	**16,952**	**(4.3)**
Exports	961	857	12.1	861	1,074	(19.8)	981	797	23.1	834	751	11.1
Total Products Supplied	**17,609**	**17,846**	**(1.3)**	**17,780**	**17,782**	**0.0**	**17,828**	**18,020**	**(1.1)**	**17,053**	**17,703**	**(3.7)**
Supply:												
Domestic Production:												
Crude oil	7,363	7,355	0.1	7,273	7,422	(2.0)	7,316	7,228	1.2	7,361	7,281	1.1
Natural gas liquids	1,639	1,559	5.1	1,642	1,653	(0.7)	1,688	1,551	8.8	1,641	1,485	10.5
Other supply	1,045	1,032	1.3	899	1,189	(24.4)	1,040	1,022	1.8	1,110	928	19.6
Total Domestic Supply	**10,047**	**9,946**	**1.0**	**9,814**	**10,264**	**(4.4)**	**10,044**	**9,801**	**2.5**	**10,112**	**9,694**	**4.3**
Imports:												
Crude oil, total (b)	5,781	5,867	(1.5)	5,593	4,941	13.2	6,241	6,299	(0.9)	6,044	6,184	(2.3)
Canadian	747	643	16.2	718	665	8.0	657	656	0.2	749	657	14.0
Other	5,034	5,224	(3.6)	4,875	4,276	14.0	5,584	5,643	(1.0)	5,295	5,527	(4.2)
Products, Total	**1,802**	**2,123**	**(15.1)**	**1,857**	**1,776**	**4.6**	**1,900**	**2,031**	**(6.5)**	**1,814**	**2,251**	**(19.4)**
Residual fuel oil	460	504	(8.7)	527	419	25.8	484	476	1.7	407	517	(21.3)
Other	1,342	1,619	(17.1)	1,330	1,357	(2.0)	1,416	1,555	(8.9)	1,407	1,734	(18.9)
Total Imports	**7,583**	**7,990**	**(5.1)**	**7,450**	**6,717**	**10.9**	**8,141**	**8,330**	**(2.3)**	**7,856**	**8,435**	**(6.8)**
Total Supply	**17,630**	**17,936**	**(1.7)**	**17,264**	**16,981**	**1.7**	**18,185**	**18,131**	**0.3**	**17,970**	**18,129**	**(0.9)**

(a) Preliminary; (b) Does not include SPR reports or reserves.
Source: American Petroleum Institute, Monthly Statistical Reports, 1991.

Petroleum Product Consumption, 1990

(000 gal.)

State	Motor Gasoline	Aviation Fuels	Middle Distillates (a)	Residual Fuel Oil	Propane	Total Products
Alabama	45,631	1,249	17,232	2,910	3,255	70,277
Alaska	5,334	16,297	9,147	7,304	237	38,319
Arizona	40,938	6,468	9,943	w	1,381	58,730
Arkansas	33,150	511	15,473	w	2,745	51,879
California	353,489	87,245	89,273	67,684	12,676	610,367
Colorado	37,091	5,369	10,431	127	2,138	55,156
Connecticut	32,205	2,037	19,397	19,303	870	73,812
Delaware	8,973	67	7,238	3,027	1,482	20,787
Dist. of Col.	3,855	w	2,918	w	—	6,773
Florida	148,566	24,646	36,218	35,046	7,490	251,966
Georgia	84,092	15,604	27,324	1,083	4,965	133,068
Hawaii	8,384	9,451	3,960	13,209	w	35,004
Idaho	11,497	444	5,813	w	472	18,226
Illinois	114,797	3,277	36,963	2,296	10,878	168,211
Indiana	63,155	15,507	34,801	765	5,494	119,722
Iowa	33,779	799	17,092	w	5,846	57,516
Kansas	36,031	2,685	18,130	700	18,457	76,003
Kentucky	42,967	4,954	20,620	305	3,978	72,824
Louisiana	60,547	28,643	41,092	35,064	8,910	174,256
Maine	18,722	1,357	12,198	11,639	557	44,473
Maryland	48,231	2,318	18,007	5,726	943	75,225
Massachusetts	62,306	8,459	39,748	18,503	1,585	130,601
Michigan	101,563	7,918	24,938	1,055	8,555	144,029
Minnesota	47,010	4,639	19,649	1,553	6,815	79,666
Mississippi	31,240	5,751	20,019	97	7,646	64,753
Missouri	60,212	5,882	18,708	861	7,070	92,733
Montana	11,148	588	5,945	30	1,262	18,973
Nebraska	17,547	793	12,085	w	2,579	33,004
Nevada	16,996	3,629	6,289	176	—	27,090
New Hampshire	9,233	269	9,438	5,413	1,009	25,362
New Jersey	118,004	40,445	78,299	29,247	1,963	267,958
New Mexico	17,770	1,146	8,981	284	3,541	31,722
New York (c)	122,898	3,656	59,439	68,509	4,158	258,660
North Carolina	82,180	3,065	29,266	5,370	7,349	127,230
North Dakota	7,617	205	6,103	11	2,164	16,100
Ohio	117,577	9,479	40,654	1,285	5,175	174,170
Oklahoma	50,066	9,327	20,184	551	4,374	84,502
Oregon	33,668	2,888	16,598	4,653	1,046	58,853
Pennsylvania	116,017	10,573	58,483	18,212	5,957	209,242
Rhode Island	13,826	653	10,908	1,410	426	27,223
South Carolina	43,065	977	14,111	2,353	3,063	63,569
South Dakota	8,954	246	5,773	w	1,160	16,133
Tennessee	68,158	3,641	28,490	499	2,129	102,917
Texas	300,101	100,029	133,335	43,647	68,407	645,519
Utah	19,637	4,250	8,500	164	1,003	33,554
Vermont	5,163	129	2,807	263	683	9,045
Virginia	74,782	11,026	33,700	7,483	2,122	129,113
Washington	59,122	18,380	24,417	19,313	2,791	124,023
West Virginia	14,329	187	8,389	723	315	23,943
Wisconsin	50,551	1,177	21,261	1,157	5,406	79,552
Wyoming	6,249	98	8,918	582	2,023	17,870
U.S. Total	**2,918,423**	**488,433**	**1,228,705**	**439,592**	**254,550**	**5,329,703**

(a) Includes kerosine.

(b) Totals do not include asphalt, naptha, lubricants, petroleum coke, still gas and waxes.

w = Withheld for proprietary reasons.

Source: U.S. Dept. of Energy.

Supply and Demand, Principle Products

(Add 000 bbl.)

Year	Motor Gasoline	Aviation Gasoline	Distillate Fuel Oil	Residual Fuel Oil	Jet Fuels (a)	Lubricants	Asphalt
Domestic Supply							
1991	2,625,499	8,265	1,064,835	420,586	534,930	53,175	160,921
1990	2,632,764	8,910	1,102,162	447,194	543,184	58,993	175,963
Production							
1991	2,546,719	8,031	1,080,586	340,895	524,879	57,026	156,540
1990	2,537,638	8,538	1,067,693	345,249	532,261	61,155	163,725
Imports							
1991	108,230	68	73,944	163,540	22,684	2,618	9,148
1990	120,433	50	100,971	183,903	37,670	3,540	11,410

Source: Energy Information Administration, Petroleum Supply Monthly.

Unleaded Gasoline: Growth by Years

(Add 000 b/d)

	Total Gasoline Consumption	Unleaded Gasoline Consumption	Unleaded Gasoline of Total
1991			
January	6,643	6,361	95.8
February	6,806	6,592	96.9
March	7,047	6,737	95.6
April	7,137	6,860	96.1
May	7,475	7,195	96.3
June	7,465	7,193	96.4
July	7,561	7,271	96.2
August	7,555	7,271	96.2
September	7,091	6,836	96.4
October	7,273	7,030	96.6
November	7,005	6,827	97.5
December	7,221	7,061	98.1
Average	**7,193**	**6,941**	**96.5**

(Add 000 b/d)

	Total Gasoline Consumption	Unleaded Gasoline Consumption	Unleaded Gasoline of Total
1990			
January	6,643	6,246	94.0
February	7,179	6,703	93.4
March	7,336	6,894	93.9
April	7,121	6,704	94.1
May	7,358	6,937	94.3
June	7,519	7,099	94.4
July	7,496	7,090	94.6
August	7,796	7,383	94.7
September	6,914	6,589	95.3
October	7,226	6,883	95.3
November	7,241	6,940	95.8
December	6,976	6,713	96.2
Average	**7,235**	**6,850**	**94.7**

Source: Energy Information Administration, Monthly Energy Review, March 1992.

U.S. Oil Imports

(Add 000 b/d)

Year	Crude Oil	Other Products	Residual Fuel Oil	Total Imports	% of Total US Supply
1991	5,782	1,346	448	7,576	45.5
1990	5,876	1,547	504	7,954	44.6
1989	5,787	1,588	629	8,004	46.2
1988	5,107	1,651	644	7,402	42.8
1987	4,674	1,439	565	6,678	40.0

Source: Energy Information Administration, Petroleum Supply Monthly.

Origins of U.S. Oil Imports

	OPEC Sources		Arab OPEC		Western Hemisphere	Eastern Hemisphere
Year	000 b/d	% of Total Imports	000 b/d	% of Total Imports	000 b/d	000 b/d
1991 (a)	4,060	53.6	2,055	21.1	3,515	4,061
1990 (b)	4,276	53.8	2,232	28.1	3,470	4,484
1989	4,140	51.3	2,130	26.4	4,513	3,466
1988	3,520	47.6	1,839	24.8	4,361	3,077
1987	3,060	45.8	1,274	19.1	4,069	2,608

(a) Preliminary.
(b) Revised.
Source: Energy Information Administration, Petroleum Supply Monthly.

State Motor Fuel Tax Collections

State	State Gas. Tax Rates Per Gal. (Cents per Gal.) 1991	Total State Motor Fuel Tax Revenues (a) (000) 1991	1990	% Change
Alabama	13	$361,062	$359,410	0.5%
Alaska	8	21,551	25,179	-14.4
Arizona	18	350,018	346,934	0.9
Arkansas	18.7	273,257	214,619	27.3
California	15	2,112,876	1,328,932	59.0
Colorado	22	335,020	319,887	4.7
Connecticut	25	321,200	306,260	4.9
Delaware	19	74,426	64,136	16.0
Dist. of Col.	18	30,514	30,061	1.5
Florida	11.2	740,550	710,708	4.2
Georgia	7.5	327,867	332,960	-1.5
Hawaii	16	55,837	45,410	23.0
Idaho	21	116,572	106,562	9.4
Illinois	19	989,543	1,058,695	-6.5
Indiana	15	562,520	579,748	-3.0
Iowa	20	318,525	319,440	-0 3
Kansas	17	232,350	224,972	3.3
Kentucky	15.4	333,318	357,182	-6.7
Louisiana	20	421,985	452,904	-6.8
Maine	19	127,215	121,180	5.0
Maryland	18.5	431,233	450,277	-4.2
Massachusetts	21	444,066	354,985	25.1
Michigan	15	682,301	684,298	-0.3
Minnesota	20	486,212	468,208	4.3
Mississippi	18.2	308,717	298,053	3.6
Missouri	11.03	356,347	359,602	-0.9
Montana	20	99,547	105,355	-5.5
Nebraska	23.7	221,719	203,715	8.8
Nevada	16	$155,329	$149,704	3.8%
New Hampshire	18.6	96,168	87,741	9.6
New Jersey	10.5	424,559	415,298	2.2
New Mexico	17	171,914	165,501	3.9
New York	20.14	530,598	529,466	0.2
North Carolina	22.6	856,905	845,722	1.3
North Dakota	17	66,705	71,308	-6.5
Ohio	21	1,049,71	1,044,542	0.5
Oklahoma	17	298,241	316,439	-5.8
Oregon	20	271,024	244,165	11.0
Pennsylvania	22.4	1,075,133	1,025,423	4.8
Rhode Island	26	102,102	83,504	22.3
South Carolina	16	344,716	352,700	-2.3
South Dakota	18	76,307	81,177	-6.0
Tennessee	20	635,566	646,225	-1.6
Texas	20	1,536,027	1,510,797	1.7
Utah	19	165,367	166,661	-0.8
Vermont	16	58,108	57,558	1.0
Virginia	17.7	590,736	612,287	-3.5
Washington	23	549,854	538,347	2.1
West Virginia	20.35	149,921	152,335	-1.6
Wisconsin	22.2	544,739	539,134	1.0
Wyoming	9	42,572	44,978	-5.3
Total U.S.	—	**20,930,653**	**19,910,984**	**5.1**
% Change from Prior Year	—	**5.1%**	**5.5%**	—

R.I.
Conn.
NJ
Del.
Md.
Wash. D.C.
Hawaii
States that prohibit diversion of motor fuel taxes to nonhighway uses.
States that have no such provisions.

(a) Estimated for 1991. Both 1991 and 1990 totals include some miscellaneous "other receipts," however, these are smallish amounts. The bulk of the taxes herein are for gasoline. The totals DO NOT include diesel fuels or LPG taxes.

Source: Federal Highway Administration, Selected Highway Statistics, Table SS90-2, October 1991.

State and Federal Gasoline Taxes, 1991

(¢ per gal.)

State	State Gasoline Tax Rate	State Gasohol Tax Rate	State Diesel Tax Rate	State Sales or Special Taxes	Local Option	State + 14.1¢ Federal Tax
Alabama	13.0	13.0	14.0	—	Yes	27.1
Alaska	8.0	0.0	8.0	—	—	22.1
Arizona	18.0	18.0	18.0	—	—	32.1
Arkansas	18.5	18.5	18.5	—	—	32.6
California	15.0	15.0	15.0	6.25	Yes	29.1
Colorado	22.0	22.0	18.0	—	—	36.1
Connecticut	26.0	24.0	18.0	3.0	—	40.1
Delaware	19.0	19.0	19.0	—	—	33.1
Dist. of Col	18.0	18.0	18.0	—	—	32.1
Florida*	11.6	11.6	12.6	—	Yes	25.7
Georgia	7.5	7.5	7.5	4.0	—	21.6
Hawaii	16.0	16.0	16.0	4.0	Yes	30.1
Idaho	21.0	17.0	21.0	—	—	35.1
Illinois	19.0	19.0	21.5	6.25	Yes	33.1
Indiana	15.0	15.0	16.0	5.0	—	29.1
Iowa	20.0	19.0	22.5	—	—	34.1
Kansas	17.0	16.0	19.0	—	—	31.1
Kentucky*	15.0	15.0	12.0	—	—	29.1
Louisiana	20.0	20.0	20.0	—	—	34.1
Maine	19.0	19.0	20.0	—	—	33.1
Maryland	18.5	18.5	18.5	—	—	32.6
Massachusetts*	21.0	21.0	21.0	—	—	35.1
Michigan*	15.0	15.0	15.0	4.0	—	29.1
Minnesota	20.0	18.0	20.0	—	Yes	34.1
Mississippi	18.0	18.0	18.0	—	Yes	32.1
Missouri	11.0	11.0	11.0	—	—	25.1
Montana	20.0	20.0	20.0	—	—	34.1
Nebraska*	23.8	23.8	23.8	—	Yes	37.9
Nevada	20.5	20.5	22.0	—	Yes	34.6
New Hampshire	18.0	18.0	18.0	—	—	32.1
New Jersey	10.5	4.5	13.5	—	—	24.6
New Mexico	16.2	16.2	16.2	—	Yes	30.3
New York	8.0	8.0	10.0	4.0	Yes	22.1
North Carolina*	22.3	22.3	22.3	—	—	36.4
North Dakota	17.0	17.0	17.0	—	—	31.1
Ohio*	21.0	21.0	21.0	—	—	35.1
Oklahoma	16.0	16.0	13.0	—	—	30.1
Oregon	22.0	22.0	22.0	—	Yes	36.1
Pennsylvania	12.0	12.0	12.0	6.0	—	26.1
Rhode Island*	26.0	26.0	26.0	—	—	40.1
South Carolina	16.0	10.0	16.0	—	—	30.1
South Dakota	18.0	16.0	18.0	—	Yes	32.1
Tennessee	21.4	21.4	17.4	—	Yes	35.5
Texas	20.0	20.0	20.0	—	—	34.1
Utah	19.0	19.0	19.0	—	—	33.1
Vermont	15.0	16.0	16.0	—	—	29.1
Virginia	17.7	17.7	16.2	—	Yes	31.8
Washington	23.0	23.0	23.0	—	—	37.1
West Virginia*	15.5	15.5	15.5	—	—	29.6
Wisconsin*	22.2	22.2	22.2	—	—	36.3
Wyoming	9.0	5.0	9.0	—	—	23.1

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*Variable tax expressed in cents per gal.

Source: National Highway Users Federation, as of February 1, 1992.

Net Gasoline Revenues by State (a)

(Thousands of Dollars)

State	1991 (b)	1990 (c)	1989	1988	1987	1986	1985
Alabama	353,208	351,592	295,842	273,375	269,040	252,869	245,035
Alaska	21,536	25,161	19,777	20,936	19,360	21,258	24,144
Arizona	346,732	343,677	345,977	323,549	314,240	294,210	229,543
Arkansas	273,257	214,619	214,820	203,548	198,430	197,101	169,804
California	2,105,356	1,324,202	1,295,266	1,275,415	1,258,470	1,200,981	1,140,251
Colorado	334,973	319,842	307,828	305,102	253,050	244,666	185,088
Connecticut	321,200	306,260	312,812	296,633	282,780	238,322	212,053
Delaware	74,378	64,093	65,350	62,064	52,920	41,878	39,552
Dist. of Col.	30,477	30,025	29,258	28,053	28,210	25,169	24,753
Florida	730,232	700,806	665,518	645,830	631,368	592,452	552,407
Georgia	324,061	329,095	325,957	321,118	307,425	293,307	278,403
Hawaii	55,836	45,409	43,143	41,632	41,250	39,132	32,609
Idaho	115,936	105,981	101,088	88,053	79,895	77,252	78,086
Illinois	989,543	1,058,695	810,547	720,879	726,510	672,139	639,106
Indiana	562,240	579,459	562,944	535,443	523,900	512,623	416,034
Iowa	317,211	318,122	320,812	290,321	259,925	244,149	193,555
Kansas	232,157	224,785	191,224	168,069	162,120	153,857	150,421
Kentucky	332,700	356,520	360,280	338,240	307,440	239,069	191,457
Louisiana	421,133	451,990	360,179	374,220	368,480	341,887	351,109
Maine	126,900	120,880	123,493	111,514	103,180	88,333	85,350
Maryland	425,018	443,788	446,927	441,989	378,465	309,172	290,548
Massachusetts	434,489	347,329	304,650	307,329	296,120	281,257	285,988
Michigan	665,673	667,621	667,677	671,559	883,700	648,462	625,063
Minnesota	455,711	437,039	445,611	423,688	359,380	341,399	340,704
Mississippi	292,068	281,979	266,966	246,381	174,640	136,846	129,522
Missouri	354,752	357,992	356,055	344,478	297,440	215,445	208,208
Montana	99,246	105,036	103,700	102,292	91,945	80,177	78,966
Nebraska	221,707	203,704	182,034	64,125	163,472	152,691	129,180
Nevada	154,866	149,258	140,307	127,148	95,700	78,993	71,662
New Hampshire	92,422	84,323	79,188	79,025	78,120	71,115	66,231
New Jersey	417,491	408,384	426,071	383,697	308,930	349,050	312,791
New Mexico	165,336	159,168	144,705	113,626	127,025	103,709	98,149
New York	530,591	529,459	532,240	525,277	526,230	499,707	491,730
North Carolina	843,639	832,629	679,705	607,505	572,260	488,511	405,450
North Dakota	64,877	69,354	68,612	68,268	56,940	48,648	52,242
Ohio	1,048,228	1,043,063	939,322	796,873	745,690	604,960	549,637
Oklahoma	298,241	316,439	316,569	308,751	210,200	202,212	194,567
Oregon	270,752	243,920	216,166	191,312	151,800	141,149	125,967
Pennsylvania	1,067,300	1,017,952	1,008,498	997,123	393,160	920,233	892,469
Rhode Island	102,102	83,504	73,446	66,644	63,450	55,315	48,403
South Carolina	340,159	348,037	332,982	283,115	268,880	254,450	247,003
South Dakota	75,585	80,409	78,370	70,973	57,330	51,921	51,406
Tennessee	599,881	609,942	555,845	469,316	467,880	391,857	294,541
Texas	1,536,027	1,510,797	1,508,004	1,464,164	1,463,400	1,002,272	990,886
Utah	164,454	165,741	161,345	158,724	157,886	113,435	112,265
Vermont	56,082	55,551	49,896	43,524	39,660	39,004	37,949
Virginia	590,471	612,012	600,657	597,001	572,090	441,740	400,424
Washington	549,827	538,321	453,959	440,800	430,200	406,527	399,635
West Virginia	149,921	152,335	136,745	111,192	93,975	102,883	100,947
Wisconsin	544,739	539,134	515,417	509,196	440,181	403,094	374,029
Wyoming	40,271	42,547	36,811	37,785	31,680	35,319	34,278
Total U.S.	**20,720,992**	**19,707,980**	**18,580,595**	**17,476,874**	**16,185,822**	**14,742,207**	**13,679,600**
% Change vs Preceding Period	**5.1%**	**6.1%**	**5.6%**	**6.5%**	**12.1%**	**7.7%**	**—**

(a) Does not include sales and special taxes as levied in many states; does not include "other receipts" from gasoline sales.

(b) Preliminary. (c) Revised and final.

Source: Federal Highway Administration, Selected Highway Statistics, Table SS90-2, October 1991.

Replacement Battery Sales Edge Up in 1991

Battery shipments (including both replacement and original equipment) increased by 0.8% in 1991 to a new record of 76,936,000. This is the second year shipments have gone up, following a slight decline in shipments recorded in 1989.

Battery shipments were up in the replacement market (plus 2.1%), but down for original equipment (minus 6.9%). Replacement units accounted for 86.5% of the total market in 1991, up 1% over the previous year. Replacement unit sales of 66.6-million were the best ever reported for the industry.

Replacement Battery Sales, 1991

(000)

Year	Replacements	% of Market	New Cars & Trucks	% of Market	Total Market	% Change From 1990
1991	66,585	86.5%	10,351	13.5%	76,936	0.8%
1990	65,187	85.4	11,122	14.6	76,309	2.6
1989	64,433	86.6	9,933	13.4	74,366	(0.4)
1988	63,487	85.0	11,190	15.0	74,677	5.5
1987	59,878	84.6	10,910	15.4	70,788	(1.1)
1986	60,306	84.2	11,335	15.8	71,641	1.8
1985	58,684	83.4	11,649	16.6	70,333	—
1984	59,333	84.5	10,925	15.5	70,258	5.0
1983	56,105	83.8	10,823	16.2	66,928	7.9
1982	54,214	87.4	7,819	12.6	62,033	0.8
1981	53,598	87.1	7,956	12.9	61,554	6.0
1980	50,063	86.2	8,009	13.8	58,072	(11.0)
1979	53,746	82.4	11,480	17.6	66,226	(6.2)
1977	54,601	81.2	12,639	18.8	67,240	10.8

Source: Replacement battery figures supplied by Battery Council International. New cars and trucks are U.S. factory sales figures provided by the Motor Vehicle Manufacturers Assn.

1991 Ethylene Glycol-Base Antifreeze Sales

(000 gal.)

Ethylene	**1991**	**1990**
Packaged Ethylene Glycol Antifreeze sold in:		
Quart Size	601,682	591,494
Gallon Size	86,830,960	112,084,323
Drum Size	6,228,664	8,366,800
Subtotal	**93,661,306**	**121,042,617**
Bulk Ethylene Glycol Antifreeze (*or Ethylene Glycol for antifreeze sold to packagers*)	69,410,965	60,168,356
Bulk Ethylene Glycol Antifreeze (*or Ethylene Glycol for antifreeze sold to motor vehicle manufacturers for "driveaway" or factory fill use*)	9,719,528	10,876,794
Grand Total	**172,791,799**	**192,087,767**

Source: Chemical Specialties Manufacturers Assn.

Replacement and OE Batteries

Replacement battery shipments totaled 66.6-million units in 1991, with 12-volt and 6-volt accounting for 87% of the total, according to Battery Council International. Highlights from its annual report include:

Replacement Batteries

Passenger cars and light trucks:

12-volt, 51,520,240 (89.8% of total)
6-volt, 764,969 (1.3% of total)

Heavy-duty commercial:

12-volt, 4,096,389 (7.1% of total)
6-volt, 994,103 (1.7% of total)

Original Equipment

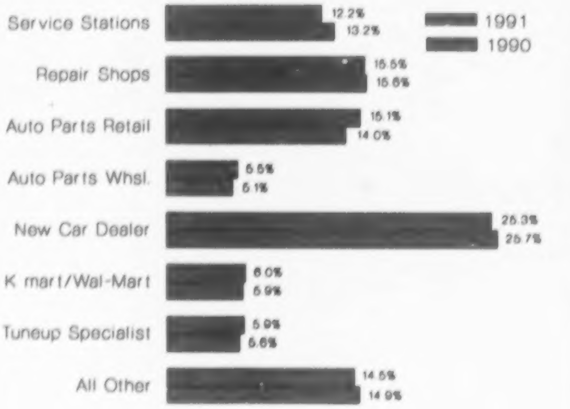
Passenger cars and light trucks:

12-volt, 8,791,937 (92.7% of total)
6-volt, 7,408 (0.78% of total)

Heavy-duty commercial:

12-volt, 677,241 (7.1% of total)
6-volt, 10,616 (.11% of total)

Where Consumers Get Tuneups



Source: Champion Spark Plug Co. tuneup survey through IMR, 1991.

Car Lubrication Service

1992 Crankcase Drain Intervals and Recommended Oil

		Normal Service		Severe Service		
Make	**Model**	**Miles**	**Months**	**Miles**	**Months**	**Type of Motor Oil**
Eagle	Turbo	5,000	6	3,000	3	SG SF/CC
	Others	7,500	6	3,000	3	SG SF/CC
Chrysler	Turbo	7,500	6	3,000	3	SG SF/CD
	Others	7,500	6	5,000	6	
Ford Motor Co.	Supercharged	5,000	6	3,000	3	SG
	Others	7,500	6	3,000	3	
General Motors	All	7,500	12	3,000	3	SG

Source: Chek-Chart Publications, Simon & Schuster Inc.

1992 Automatic Transmission/ Transaxle Drain Intervals and Recommended Fluids

Normal Service		Severe Service			
Make	**Fluid**	**Months**	**Miles**	**Months**	**Miles**
Eagle	(a)	30	30,000	—	15,000 (b)
Chrysler	Mopar ATF-Plus®	—	—	—	15,000
Ford Motor Co.	MERCON ®	—	—	—	30,000
General Motors	Dextron®-II	—	100,000	—	15,000

(a) Premier, MERCON®; others, Mopar ATF-Plus®
(b) Premier only.
Source: Chek-Chart Publications, Simon & Schuster Inc.

1992 Chassis Lubrication Intervals

(Models with Fittings)

	Normal Service		Severe Service			
Make	**Months**	**Miles**	**Months**	**Miles**	**Type**	**Part of Specification Number**
Eagle	—	—	—	—	—	—
Chrysler	36	30,000	18	15,000	#2 Barium EP	4318063
Ford Motor Co.	—	15,000	—	—	#2 Lithium EP with polyethylene 8-molybdenum disulfide	M1C75-B
General Motors	12	7,500	3	3,000	—	—

Source: Chek-Chart Publications, Simon & Schuster Inc.

U.S. Refineries & Capacities by Company

(In decending order as of January 1, 1991)

Important note: This listing includes capacity that is operational and capacity that is idle or shut down. In the latter case, this capacity can be restored to normal within 90 days. The Energy Information Administration says there were 202 operable refineries on January 1, 1991, compared with a total of 205 the preceding year. The crude distillation capacity was 15.9-million b/d, compared to 15.6-million b/d the previous year. For earlier data, see the 1991 *NPN Factbook*.

Company	b/d
Companies with a capacity of more than 100,000 b/d.	
Number of companies: 33	
Total capacity: 13,702,440	
Chevron U.S.A., Inc.	
Port Arthur, Texas	315,300
Pascagoula, Miss.	295,000
El Segundo, Calif.	254,000
Richmond, Calif.	270,000
Philadelphia, Pa.	175,000
Perth Amboy, N.J.	80,000
El Paso, Texas	66,000
Honolulu, Hawaii	52,800
Salt Lake City, Utah	45,000
Kenai, Alaska	22,000
Total	**1,575,100**
Exxon Co. U.S.A.	
Baytown, Texas	426,000
Baton Rouge, La.	421,000
Linden, N.J.	130,000
Benicia, Calif.	128,000
Billings, Mont.	42,000
Total	**1,147,000**
Shell Oil Co.	
Wood River, Ill.	274,000
Deer Park, Texas	215,900
Norco, La.	215,000
Martinez, Calif.	140,100
Carson, Calif.	120,000
Anacortes, Wash.	89,300
Odessa, Texas	28,600
Total	**1,082,900**
Amoco Oil Co.	
Texas City, Texas	433,000
Whiting, Ind.	350,000
Mandan, N.D.	58,000
Yorktown, Va.	53,000
Salt Lake City, Utah	40,000
Casper, Wyo.	40,000
Savannah, Ga.	28,000
Total	**1,002,000**
Mobil Oil Corp.	
Beaumont, Texas	275,000
Joliet, Ill.	180,000
Chalmette, La.	160,000
Torrance, Calif.	123,000
Paulsboro, N.J.	100,000
Total	**838,000**
BP America Inc.	
BP Oil Corp.	
Belle Chasse, La.	218,000
Marcus Hook, Pa.	172,000
Lima, Ohio	140,000
Toledo, Ohio	126,100
Ferndale, Wash.	77,400
Total	**733,500**
Star Enterprise	
Port Arthur/Neches, Tex.	250,000
Convent, La.	225,000
Delaware City, Del.	140,000
Total	**615,000**
U.S. Steel Corp.	
Marathon Petroleum Co.	
Garyville, La.	255,000
Robinson, Ill.	160,000
Texas City, Texas	69,500
Detroit, Mich.	70,000
Rock Island Refining Corp.	
Indianapolis, Ind.	50,000
Total	**604,500**
Sun Co Inc.	
Marcus Hook, Pa.	175,000
Toledo, Ohio	125,000
Tulsa, Okla.	85,000
Sun Refining & Marketing	
Philadelphia, Pa.	130,000
Total	**515,000**
Atlantic Richfield Co.	
Arco Petroleum Products Co.	
Los Angles, Calif.	223,000
Ferndale, Wash.	167,000
Arco Alaska Inc.	
Prudhoe Bay, Alaska	13,740
Anchorage, Alaska	12,000
Total	**415,740**
E I Du Pont De Nemours & Co.	
Conoco Inc.	
Westlake, La.	159,500
Ponca City, Okla.	140,000
Billings, Mont.	49,500
Commerce City, Colo.	48,000
Santa Maria, Calif.	9,500
Total	**406,500**
Ashland Oil Inc.	
Catlettsburg, Ky.	213,400
St. Paul, Minn.	67,100
Canton, Ohio	66,000
Total	**346,500**
Koch Industries Inc.	
Koch Refining Co.	
St. Paul, Minn.	200,000
Corpus Christi, Texas	125,000
Total	**325,000**
Texaco Refining & Marketing Inc.	
Anacortes, Wash.	130,000
El Dorado, Kan.	78,000
Wilmington, Calif.	64,000
Bakersfield, Calif.	48,000
Total	**320,000**
Citgo Petroleum Corp./ Petroleos de Venezuela	
Citgo Petroleum Corp.	
Lake Charles, La.	305,000
Total	**305,000**
Phillips 66 Co.	
Sweeny, Texas	175,000
Borger, Texas	105,000
Woods Cross, Utah	25,000
Total	**305,000**
Trans-America Natural Gas Corp.	
Norco, La.	300,000
Total	**300,000**
Lyondell Petrochemical Co.	
Houston, Texas	290,000
Total	**290,000**
Solomon Inc.	
Hill Petroleum Co.	
Texas City, Texas	119,600
Houston, Texas	70,900
Krotz Springs, La.	57,500
St. Rose, La.	34,000
Total	**282,000**

Company	b/d
The Coastal Corp.	
Coastal Eagle Point Oil Co.	
Westville, N.J.	104,500
Coastal Refining & Marketing Inc.	
Corpus Christi, Texas	85,000
Coastal Derby Refining Co.	
El Dorado, Kan.	30,400
Wichita, Kan.	28,800
Coastal Mobile Refining Co.	
Chickasaw, Ala.	26,600
Total	**275,300**
Unocal Corp.	
Wilmington, Calif.	108,000
Rodeo, Calif.	77,000
Arroyo Grande, Calif.	41,000
Total	**226,000**
Total Petroleum Inc.	
Ardmore, Okla.	68,000
Arkansas City, Kan.	56,000
Alma, Mich.	45,600
Colorado Refining Co.	
Commerce City, Colo.	28,000
Total	**197,600**
Mapco Petroleum Inc.	
North Pole, Alaska	112,800
Memphis, Tenn.	60,000
Total	**172,800**
Fina Oil & Chemical Co.	
Port Arthur, Texas	110,000
Big Springs, Texas	55,000
Total	**165,000**
Diamond Shamrock Refining & Marketing Co.	
Sunray, Texas	110,000
Three Rivers, Texas	51,000
Total	**161,000**
Kerr-McGee Corp.	
Southwestern Refining Co. Inc.	
Corpus Christi, Texas	104,000
Kerr-McGee Refining Corp.	
Wynnewood, Okla.	45,000
Cotton Valley, La.	7,800
Total	**156,800**
Crown Central Petroleum Corp.	
Pasadena, Texas	100,000
La Gloria Oil & Gas Co.	
Tyler, Texas	55,000
Total	**155,000**
Uno-Ven Co.	
Lemont, Ill.	147,000
Total	**147,000**
Tosco Corp.	
Martinez, Calif.	131,900
Total	**131,900**

Company	b/d
Petroleos de Venezuela	
Champlin Refining & Chemicals Inc.	
Corpus Christi, Texas.	130,000
Total	**130,000**
Murphy Oil U.S.A. Inc.	
Meraux, La.	95,000
Superior, Wis.	33,200
Total	**128,200**
Sinclair Oil Corp.	
Sinclair, Wyo.	54,000
Tulsa, Okla.	47,000
Little America Refining Co.	
Evansville, Wyo.	24,500
Total	**125,500**
Horsham Corp.	
Clark Oil & Refining Corp.	
Blue Island, Ill.	64,600
Hartford, Ill.	57,000
Total	**121,600**

Companies with a capacity of 30,001 to 100,000 b/d.
Number of companies: 26
Total Capacity: 1,415,720

Company	b/d
Pacific Resources Inc.	
Hawaiian Independent Refinery Inc.	
Ewa Beach, Hawaii	93,500
Total	**93,500**
Farmland Industries Inc.	
Coffeyville, Kan.	56,500
Phillipsburg, Kan.	26,400
Total	**82,900**
Arochem International Inc. (a) (*)	
Ponce, Puerto Rico	80,000
Total	**80,000**
LL&E Petroleum Marketing Inc.	
Saraland, Ala.	80,000
Total	**80,000**
National Cooperative Refinery Assn.	
McPherson, Kan.	75,600
Total	**75,600**
Tesoro Petroleum Corp.	
Kenai, Alaska	72,000
Total	**72,000**

Company	b/d
Pennzoil Products Co.	
Shreveport, La.	46,200
Rouseville, Pa.	15,700
Roosevelt, Utah	8,000
Total	**69,900**
American Ultramar Ltd.	
Ultramar Refining	
Wilmington, Calif.	66,000
Total	**66,000**
United Refining Co.	
Warren, Pa.	60,000
Total	**60,000**
The Coastal Corp./Sinochem	
Pacific Refining Co.	
Hercules, Calif.	55,000
Total	**55,000**
Indian Refining (b) (*)	
Lawrenceville, Ill.	55,000
Total	**55,000**
Lion Oil Co.	
El Dorado, Ark.	48,000
Total	**48,000**
Thrifty Oil Co.	
Golden West Refining Co.	
Santa Fe Springs, Cal.	47,000
Total	**47,000**
Paramount Acquisition Corp.	
Paramount Petroleum Corp.	
Paramount, Calif.	46,500
Total	**46,500**
Placid Refining Co.	
Port Allen, La.	46,000
Total	**46,000**
Holly Corp.	
Navajo Refining Co.	
Artesia, N.M.	38,000
Montana Refining Co.	
Great Falls, Mont.	6,700
Total	**44,700**
Sargent Holdings Ltd.	
Powerline Oil Co.	
Santa Fe Springs, Cal.	45,000
Total	**45,000**
Seaview Petroleum Inc.	
Paulsboro, N.J.	44,400
Total	**44,400**
Pride Refining Inc.	
Abilene, Texas	42,750
Total	**42,750**

Refineries

Company	b/d
Cirillo Brothers Oil Co.	
Cibro Petroleum Products Inc.	
Albany, N.Y.	41,850
Total	**41,850**
Edgington Oil Co.	
Long Beach, Calif.	41,600
Total	**41,600**
Cenex	
Laurel, Mont.	41,450
Total	**41,450**
Frontier Refining Co.	
Cheyenne, Wyo.	38,670
Total	**38,670**
Hunt Consolidated Inc.	
Hunt Refining	
Tuscaloosa, Ala.	33,500
Total	**33,500**
Time Oil Co.	
U.S. Oil & Refining Co.	
Tacoma, Wash.	32,400
Total	**32,400**
Gary Williams Co.	
Bloomfield Refining Co.	
Bloomfield, N.M.	16,800
Landmark Petroleum Inc. (c)	
Fruita, Colo.	15,200
Total	**32,000**

Companies with a capacity of 10,001 to 30,000 b/d.
Number of companies: 25
Total Capacity: 512,355

Company	b/d
Amerada Hess Corp.	
Purvis, Miss.	30,000
Total	**30,000**
Pauley Petroleum Inc.	
Fletcher Oil & Refining Co.	
Carson, Calif.	28,350
Total	**28,350**
American International Refinery Co.	
Lake Charles, La.	27,000
Total	**27,000**
Petroserve Ltd. Trifinery	
Corpus Christi, Texas	27,000
Total	**27,000**
El Paso Refining Co. Ltd.	
El Paso, Texas	25,500
Total	**25,500**
Valero Refining Co.	
Corpus Christi, Texas	25,000
Total	**25,000**
Crysen Corp.	
Crysen Refining Inc.	
Woods Cross, Utah	12,500
Sound Refining Inc.	
Tacoma, Wash.	11,900
Total	**24,400**
San Joaquin Refining Co. Inc.	
Bakersfield, Calif.	24,300
Total	**24,300**
Huntway Refining Co.	
Benica, Calif.	8,600
Wilmington, Calif.	5,500
Sunbelt Refining Co.	
Collidge, Ariz.	10,000
Total	**24,100**
Flying J Petroleum Inc.	
Big West Oil Co.	
North Salt Lake, Utah.	24,000
Total	**24,000**
Kern Oil & Refining Co.	
Bakersfield, Calif.	21,400
Total	**21,400**
Indiana Farm Bureau Cooperative Assn.	
Mount Vernon, Ind.	21,200
Total	**21,200**
Leal Petroleum Corp.	
Nixon, Texas	20,900
Total	**20,900**
Ergon Inc.	
Vicksburg, Miss.	20,600
Total	**20,600**
Giant Refining Co.	
Gallup, N.M.	20,000
Total	**20,000**
Quaker State Oil Refining Corp.	
Newell, W.Va.	12,500
Smethport, Pa.	6,700
Total	**19,200**
VGS Corp.	
Southland Oil Co.	
Sandersville, Miss.	11,000
Lumberton, Miss.	5,800
Total	**16,800**
Chemoil Refining Corp.	
Long Beach, Calif.	14,200
Total	**14,200**
Calcasieu Refining Co.	
Lake Charles, La.	13,500
Total	**13,500**
CAS Refining Co. (d) (*)	
Jennings, La.	13,500
Total	**13,500**
Longview Refining Associates	
Longview, Texas	13,300
Total	**13,300**
Wyoming Refining Co.	
Newcastle, Wyo.	12,555
Total	**12,555**
World Oil Co.	
Sunland Refining Corp.	
Bakersfield, Calif.	12,000
Total	**12,000**
Grant Trading Co.	
Eco Asphalt Inc.	
Long Beach, Calif.	10,550
Total	**10,550**
Bechtel Investment Inc.	
Petro Source Resources Inc.	
Vicksburg, Miss.	6,000
Petro Source Refining Partners	
Tonopah, Nev.	4,500
Total	**10,500**

Companies with a capacity of 10,000 b/d or less.
Number of companies: 25
Total Capacity: 156,412

Company	b/d
Barrett Refining Corp.	
Thomas, Okla.	**10,500**
Anchor Refining Co. Inc. (*)	
McKittrick, Calif.	**10,000**
Sabine Resources Group	
Stonewall, La.	**10,000**
Witco Corp.	
Brandford, Penn.	**9,915**
Peerless Oil & Chemical (*)	
Ponce, Puerto Rico	**8,800**
Asphalt Materials	
Laketon Refining Corp.	
Laketon, Ind.	**8,700**

Company	b/d
Endevco Inc.	
Dubach Gas Co.	
Dubach, La.	8,500
Lunday Thagard Co.	
South Gate, Calif.	8,100
Anchor Gasoline Corp.	
Canal Refining Co.	
Church Point, La.	8,000
Three B Oil Co.	
Rattlesnake Refining Corp.	
Wickett, Texas	8,000
Claiborne Gasoline Co.	
Lisbon, La.	7,500
Petro Star	
North Pole, Ala.	7,000
Cross Oil & Refining Co. Inc.	
Smackover, Ark.	6,700
Young Refining Corp.	
Douglasville, Ga.	5,540
Somerset Refinery Inc.	
Somerset, Ky.	5,500
Martin Gas Sales Inc.	
Berry Petroleum Co.	
Stephens, Ark.	5,000
Howell Hydrocarbons Corp.	
San Antonio, Texas	4,500
Calumet Refining Co.	
Princeton, La.	4,207
Oil Holdings Inc.	
Tenby Inc.	
Oxnard, Calif.	4,000
Thriftway Co.	
Bloomfield, N.M.	4,000
Primary Oil & Energy Corp.	
Chester, Va.	3,700
B-T Energy Corp.	
GNC Energy Corp.	
Greensboro, N.C.	3,000
Crystal Refining Co.	
Carson City, Mich.	3,000
Inter-Coastal Energy Services Corp.	
Troy, Ind.	1,250
Petrolite Corp.	
Kilgore, Texas	1,000

Footnotes:

(*) Refinery was reactivated during 1990.

(a) Formerly Commonwealth Oil Refining Co.

(b) Formerly Western Slope Refining

(c) Formerly Gary-Williams Energy Corp./Western Slope Refining Co.

(d) Formerly Celeron Oil & Gas.

Source: Energy Information Administration, Petroleum Supply Annual 1990, Vol. 1, Table 9, May 1991.

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Lubrication Oil and Wax Capacities of U.S. Refineries

(All capacities in 000 b/d)

As of January 1, 1992

		Crude	Finished Lube Capacity					Wax Capacity	
U.S. Refineries	**Location**	**Capacity**	**A**	**B**	**C**	**D**	**Total**	**E**	**F**
Amoco Oil Co.	Whiting, Ind.	350.0	6.2				6.2	0.6	
Ashland Oil, Inc.	Catlettsburg, Ky.	205.0	8.0				8.0		2.8
Calumet Lubricants Co.	Princeton, La.	6.0					5.0		
Chevron U.S.A. Inc.	Port Arthur, Tex.	315.3	6.6	0.1			6.7		3.8
Chevron U.S.A. Inc.	Richmond, Calif.	220.0					9.4	1.2	1.0
Cit-Con Oil Corp.	Lake Charles, La.		9.2				9.2	1.0	0.8
Conoco Inc.	Ponca City, Okla.	140.0	2.3				2.3	0.3	
Cross Oil and Refining Co.,Inc.	Smackover, Ark.	7.0					4.0		
Diamond Shamrock,Inc.	Three Rivers, Tex.	53.0					1.4		
Ergon Refining, Inc.	Vicksburg, Miss.	17.0					3.3		
Exxon Co., U.S.A.	Baton Rouge, La.	421.0	16.0	0.5			16.5	1.7	
Exxon Co., U.S.A.	Baytown, Tex.	396.0	18.0		9.0		31.2		1.8
Lyondell Petrochemical Co.	Houston, Tex.	260.0					7.0		1.0
Mobil Oil Corp.	Beaumont, Tex.	275.0	10.1				10.1	1.6	0.3
Mobil Oil Corp.	Paulsboro, N.J.	100.0	8.0				8.0		
Pennzoil Products Co.	Rouseville, Pa.	16.5					4.4	0.6	0.4
Pennzoil Products Co./Atlas Processing Co.	Shreveport, La.	46.2	4.5				8.6	0.8	
Petrolite Corp.	Barnsdall, Okla.							0.4	
Petrolite Corp., Bareco Div.	Kilgore, Tex.	1.0							0.3
Petrowax PA	Emlenton, Pa.							0.9	0.1
Petrowax PA	Smethport, Pa.	5.0	0.3	0.2			0.5	1.0	0.2
Quaker State Oil Refining Corp.	Newell, W.V.	10.5					3.6		0.5
San Joaquin Refining Co., Inc.	Bakersfield, Calif.	21.0			2.4	0.5	2.9		
Shell Oil Co.	Deer Park, Tex.	215.9	4.5				9.5	1.0	
Shell Oil Co.	Martinez, Calif.	140.1			4.0		4.0		
Shell Oil Co.	Wood River, Ill.	274.0	4.0				4.0		
Star Enterprise	Port Arthur, Tex.	250.0	16.4				16.4		1.8
Sun Company, Inc.	Marcus Hook, Pa.	175.0				**			
Sun Company, Inc.	Tulsa, Okla.	85.0					8.8		2.1
Unocal	Rodeo, Calif.	73.1	4.6				4.6	0.7	1.3
Witco Chemical Corp.	Bradford, Pa.	10.0	1.6	0.9			2.5	0.2	
Witco Chemical Corp.	Oildale, Calif.	11.0			2.9	1.5	5.3		
Total		**4,184.6**	**127.8**	**1.7**	**18.3**	**2.0**	**210.9**	**12.8**	**18.2**
Canadian Refineries									
Imperial Oil Ltd.(b)	Sarnia, Ont.	126.0	5.2		0.5		5.7		2.0
Imperial Oil Ltd.(b)	Strathcona, Alb.	155.0	2.7				2.7		0.8
International Waxes, Ltd.	Agincourt, Ont.							1.0	
Petro-Canada Products	Mississuauga, Ont.	41.5					4.9		1.0
Shell Canada, Ltd.	Montreal East, Queb.	28.0	2.7				2.7		1.3
Total		**350.5**	**10.6**		**0.5**		**15.0**	**1.0**	**5.1**

Definitions: **A**-Solvent extracted paraffinic lubes; **B**-Unextracted paraffinic lubes; **C**-Solvent extracted naphthanic lubes; **D**-Unextracted unhydrotreated naphthanic lubes; **E**-Fully refinished crude scale and microcrystalline waxes; **F**-Semi-finished, slack waxes and petrolatums.

** Lube facilities out of service.

(a) Hydrotreated paraffinic and naphthenic lubes are included in total. (b) Formerly Esso Petroleum Canada.

Source: National Petroleum Refiners Assn., Lubricating Oil and Wax Capacities of U.S and Canadian Refineries, 1992.

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U.S. Refineries & Capacities by State

(Crude Oil Capacity on January 1, 1991)

An asterisk (*) after a number indicates capacity shut down, but capable of being placed in operation within 90 days.

Company	b/d
ALABAMA	
Coastal Mobile Refining Co.	
Chickasaw	26,600*
Hunt Refining Co.	
Tuscaloosa	33,500
LL&E Petroleum Marketing Inc.	
Saraland	80,000
Total	**113,500** **26,600***
ALASKA	
Arco Alaska Inc.	
Anchorage	12,000
Prudhoe Bay	13,740
Chevron U.S.A. Inc.	
Kenai	22,000
Mapco Petroleum Inc.	
North Pole	112,800
Petro Star	
North Pole	7,000
Tesoro Petroleum Corp.	
Kenai	72,000
Total	**239,540**
ARIZONA	
Sunbelt Refining Co.	
Coolidge	10,000
Total	**10,000**
ARKANSAS	
Berry Petroleum Co.	
Stephens	5,000
Cross Oil & Refining Co. Inc.	
Smackover	6,700
Lion Oil Co.	
El Dorado	42,200 5,800*
Total	**53,900** **5,800***
CALIFORNIA	
Anchor Refining Co. Inc.	
McKittrick	10,000
Arco Products Co.	
Los Angeles	223,000
Chemoil Refining Corp.	
Long Beach	14,200
Chevron U.S.A. Inc.	
El Segundo	254,000
Richmond	270,000
Conoco Inc.	
Santa Maria	9,500
Eco Asphalt Inc.	
Long Beach	10,550*
Edgington Oil Co. Inc.	
Long Beach	41,600*
Exxon Co. U.S.A.	
Benicia	128,000
Fletcher Oil & Refining Co.	
Carson	28,350
Golden West Refining Co.	
Santa Fe Springs	47,000
Huntway Refining Co.	
Benicia	8,600
Wilmington	5,300
Kern Oil & Refining Co.	
Bakersfield	21,400
Lunday Thagard Co.	
South Gate	8,100
Mobil Oil Corp.	
Torrance	123,000
Pacific Refining Co. Inc.	
Hercules	55,000
Paramount Petroleum Corp.	
Paramount	46,500
Powerine Oil Co.	
Santa Fe Springs	30,000 15,000*
San Joaquin Refining Co. Inc.	
Bakersfield	24,300*
Shell Oil Co.	
Carson	120,000
Martinez	140,100
Sunland Refining Corp.	
Bakersfield	12,000
Tenby Inc.	
Oxnard	4,000
Texaco Refining & Marketing Inc.	
Bakersfield	48,000
Wilmington	64,000
Tosco Corp.	
Martinez	131,900
Ultramar Refining	
Wilmington	66,000
Unocal Corp.	
Arroyo Grande	41,000
Rodeo	77,000
Wilmington	108,000
Witco Corp.	
Oildale	0
Total	**2,094,150** **91,450***
COLORADO	
Colorado Refining Co.	
Commerce City	28,000
Conoco Inc.	
Commerce City	48,000
Landmark Petroleum Inc. **(Formerly Gary-Williams Energy Corp./Western Slope Refining Co.)**	
Fruita	15,200*
Total	**76,000** **15,200***
DELAWARE	
Star Enterprise	
Delaware City	140,000
Total	**140,000**
GEORGIA	
Amoco Oil Co.	
Savannah	28,000*
Young Refining Corp.	
Douglasville	5,540
Total	**5,540** **28,000***
HAWAII	
Chevron U.S.A. Inc.	
Honolulu	52,800
Hawaiian Independent Refinery Inc.	
Ewa Beach	93,500
Total	**146,300**
ILLINOIS	
Clark Oil & Refining Corp.	
Blue Island	64,600
Hartford	57,000
Indian Refining **(Formerly Texaco Refining & Marketing Inc.)**	
Lawrenceville	55,000
Marathon Petroleum Co.	
Robinson	160,000
Mobil Oil Corp.	
Joliet	180,000
Shell Oil Co.	
Wood River	274,000
Uno-Ven Co.	
Lemont	147,000
Total	**937,600**
INDIANA	
Amoco Oil Co.	
Whiting	350,000
Indiana Farm Bureau Cooperative Assn.	
Mount Vernon	21,200
Inter-Coastal Energy Services Corp.	
Troy	1,250*
Laketon Refining Corp.	
Laketon	8,700

Refineries

Company	b/d
Rock Island Refining Corp.	
Indianapolis	50,000
Total	**429,900**
	1,250*

KANSAS

Company	b/d
Coastal Derby Refining Co.	
Augusta	0
El Dorado	30,400
Wichita	28,800
Farmland Industries Inc.	
Coffeyville	56,500
Phillipsburg	26,400
National Cooperative Refinery Assn.	
McPherson	75,600
Texaco Refining & Marketing Inc.	
El Dorado	78,000
Total Petroleum Inc.	
Arkansas City	56,000
Total	**351,700**

KENTUCKY

Company	b/d
Ashland Oil Inc.	
Catlettsburg	213,400
Somerset Refinery Inc.	
Somerset	5,500
Total	**218,900**

LOUISIANA

Company	b/d
American International Refinery Inc.	
Lake Charles	27,000*
BP Oil Corp.	
Belle Chase	218,000
Calcasieu Refining Co.	
Lake Charles	13,500
Calumet Refining Co.	
Princeton	4,207
Canal Refining Co.	
Church Point	8,000
CAS Refining Co. (Formerly Celeron Oil & Gas)	
Jennings	13,500*
Citgo Petroleum Corp.	
Lake Charles	305,000
Claiborne Gasoline Co.	
Lisbon	7,500
Conoco Inc.	
Westlake	159,500
Dubach Gas Co.	
Dubach	8,500
Exxon Co. U.S.A.	
Baton Rouge	421,000
Hill Petroleum Co.	
Krotz Springs	57,500
St. Rose	34,000
Kerr-McGee Refining Corp.	
Cotton Valley	7,800
Marathon Petroleum Co.	
Garyville	255,000
Mobil Oil Corp.	
Chalmette	160,000
Murphy Oil U.S.A. Inc.	
Meraux	95,000
Pennzoil Products Co.	
Shreveport	46,200
Placid Refining Co.	
Port Allen	46,000
Sabine Resources Group	
Stonewall	10,000*
Shell Oil Co.	
Norco	215,000
Star Enterprise	
Convent	225,000
Trans America Refining Co.	
Norco	300,000*
Total	**2,286,707**
	340,500*

MARYLAND

Company	b/d
Chevron U.S.A. Inc.	
Baltimore	0
Total	**0**

MICHIGAN

Company	b/d
Crystal Refining Co.	
Carson City	3,000
Marathon Petroleum Co.	
Detroit	68,500
Total Petroleum Inc.	
Alma	45,600
Total	**117,100**

MINNESOTA

Company	b/d
Ashland Oil Inc.	
St. Paul	67,100
Koch Refining Co.	
St. Paul	200,000
Total	**267,100**

MISSISSIPPI

Company	b/d
Amerada Hess Corp.	
Purvis	30,000
Chevron U.S.A. Inc.	
Pascagoula	295,000
Ergon Refining Inc.	
Vicksburg	20,600
Petro Source Resources Inc.	
Vicksburg	6,000*
Southland Oil Co.	
Lumberton	5,800
Sandersville	11,000
Total	**362,400**
	6,000*

MONTANA

Company	b/d
Cenex	
Laurel	41,450
Conoco Inc.	
Billings	49,500
Exxon Co. U.S.A.	
Billings	42,000
Montana Refining Co.	
Great Falls	6,700
Total	**139,650**

NEVADA

Company	b/d
Petro Source Refining Partners	
Tonopah	4,500*
Total	4,500*

NEW JERSEY

Company	b/d
Amerada Hess Corp.	
Port Reading	0
Chevron U.S.A. Inc.	
Perth Amboy	80,000*
Coastal Eagle Point Oil Co.	
Westville	104,500
Exxon Co. U.S.A.	
Linden	130,000
Mobil Oil Corp.	
Paulsboro	100,000
Seaview Petroleum Inc.	
Paulsboro	44,400*
Total	**334,500**
	124,400*

NEW MEXICO

Company	b/d
Bloomfield Refining Co.	
Bloomfield	16,800
Giant Refining Co.	
Gallup	19,000
Navajo Refining Co.	
Artesia	38,000
Thriftway Co.	
Bloomfield	4,000*
Total	**74,800**
	4,000*

NEW YORK

Company	b/d
Cibro Petroleum Products Inc.	
Albany	41,850
Total	**41,850**

NORTH CAROLINA

Company	b/d
GNC Energy Corp.	
Greensboro	3,000
Total	**3,000**

NORTH DAKOTA

Company	b/d
Amoco Oil Co.	
Mandan	58,000
Total	**58,000**

OHIO

Company	b/d
Ashland Oil Inc.	
Canton	66,000
BP Oil Co.	
Lima	140,000
Toledo	126,100
Sun Co. Inc.	
Toledo	125,000
Total	**457,100**

OKLAHOMA

Company	b/d
Barrett Refining Corp.	
Thomas	10,500
Conoco Inc.	
Ponca City	140,000
Kerr-McGee Refining Corp.	
Wynnewood	45,000
Sinclair Oil Corp.	
Tulsa	47,000

Company	b/d
Sun Co. Inc.	
Tulsa	85,000
Total Petroleum Inc.	
Ardmore	68,000
Total	**395,500**
OREGON	
Chevron U.S.A. Inc.	
Willbridge	0
PENNSYLVANIA	
BP Oil Corp.	
Marcus Hook	172,000
Chevron U.S.A. Inc.	
Philadelphia	175,000
Pennzoil Products Co.	
Rouseville	15,700
Quaker State Oil Refining Corp.	
Smethport	6,700
Sun Co. Inc.	
Marcus Hook	175,000
Sun Refining & Marketing	
Philadelphia	130,000
United Refining Co.	
Warren	60,000
Witco Corp.	
Bradford	9,915
Total	**744,315**
TENNESSEE	
Mapco Petroleum Inc.	
Memphis	60,000
Total	**60,000**
TEXAS	
Amoco Oil Co.	
Texas City	433,000
Champlin Refining & Chemical Inc.	
Corpus Christi	130,000
Chevron U.S.A. Inc.	
El Paso	66,000
Port Arthur	315,300
Coastal Refining & Marketing Inc.	
Corpus Christi	85,000
Crown Central Petroleum Corp.	
Pasadena	100,000
Diamond Shamrock Refining & Marketing Co.	
Sunray	110,000
Three Rivers	51,000
El Paso Refining Co. Ltd.	
El Paso	25,500
Exxon Co. U.S.A.	
Baytown	426,000
Fina Oil & Chemical Co.	
Big Springs	55,000
Port Arthur	110,000
Hill Petroleum Co.	
Houston	70,900
Texas City	119,600
Howell Hydrocarbons Corp.	
San Antonio	1,500
	3,000*
Koch Refining Co.	
Corpus Christi	125,000
La Gloria Oil & Gas Co.	
Tyler	55,000
Leal Petroleum Corp.	
Nixon	15,900
	5,000*
Longview Refining Associates	
Longview	13,300
Lyondell Petrochemical Co.	
Houston	290,000
Marathon Petroleum Co.	
Texas City	69,500
Mobil Oil Corp.	
Beaumont	275,000
Petrolite Corp.	
Kilgore	1,000
Phillips 66 Co.	
Borger	105,000
Sweeny	175,000
Pride Refining Inc.	
Abilene	28,500
	14,250*
Rattlesnake Refining Corp.	
Wickett	8,000*
Shell Oil Co.	
Deer Park	215,900
Odessa	28,600
South Hampton Refining Co.	
Silsbee	0
Southwestern Refining Co. Inc.	
Corpus Christi	104,000
Star Enterprise	
Port Arthur/Port Neches	250,000
Trifinery	
Corpus Christi	27,000*
Valero Refining Co.	
Corpus Christi	25,000
Total	**3,875,500**
	57,250*
UTAH	
Amoco Oil Co.	
Salt Lake City	40,000
Big West Oil Co.	
North Salt Lake	24,000
Chevron U.S.A. Inc.	
Salt Lake City	45,000
Crysen Refining Inc.	
Woods Cross	12,500
Pennzoil Products Co.	
Roosevelt	8,000
Phillips 66 Co.	
Woods Cross	25,000
Total	**154,500**
VIRGINIA	
Amoco Oil Co.	
Yorktown	53,000
Primary Oil & Energy Corp.	
Chester	3,700
Total	**56,700**
WASHINGTON	
Arco Products Co.	
Ferndale	167,000
BP Oil Corp.	
Ferndale	77,400
Chevron U.S.A. Inc.	
Richmond Beach	0
Shell Oil Co.	
Anacortes	89,300
Sound Refining Inc.	
Tacoma	11,900*
Texaco Refining & Marketing Inc.	
Anacortes	130,000
U.S. Oil & Refining Co.	
Tacoma	32,400
Total	**496,100**
	11,900*
WEST VIRGINIA	
Quaker State Oil Refining Corp.	
Newell	12,500
Total	**12,500**
WISCONSIN	
Murphy Oil U.S.A. Inc.	
Superior	33,200
Total	**33,200**
WYOMING	
Amoco Oil Co.	
Casper	40,000
Frontier Refining Co.	
Cheyenne	38,670
Little America Refining Co.	
Evansville	24,500
Sinclair Oil Corp.	
Sinclair	54,000
Wyoming Refining Co.	
Newcastle	12,555
Total	**169,725**
PUERTO RICO	
Arochem International Inc. (Formerly Commonwealth Oil Refining Co.)	
Ponce	80,000
Caribbean Gulf Refining Corp.	
San Juan	36,000
Peerless Oil & Chemical	
Ponce	8,800
Phillips Puerto Rico Core Inc.	
Guayama	0
Sun Co. Inc.	
Yabucoa	85,000
Total	**209,800**
VIRGIN ISLANDS	
Amerada Hess Corp.	
St. Croix	470,000
Total	**470,000**

Source: Energy Information Administration, Petroleum Supply Annual 1990, Vol. 1, Table 38, May 1991.

Changes in U.S. Refinery Capacity in 1990

On Jan. 1, 1991, the United States had a total of 202 operable refineries. There were six shutdowns in 1990 and three refineries were reactivated in the U.S. (along with two refineries in Puerto Rico). Operable capacity was pegged at 15.9-million b/d, up from 15.6-million b/d the previous year.

The increase substantiated industry indications that large losses of previous years have been subdued, if not reversed.

Reactivated Refineries in 1990

Refinery	Location	Total Atmospheric Crude Oil Distillation Capacity (b/cd)	Total Downstream Charge Capacity (b/sd)	Date Shut Down	Date Reactivated
Anchor Refining	McKittrick, Calif.	10,000	6,000	2/84	4/90
CAS Refining Co.	Jennings, La.	13,500	0	6/83	6/90
Indian Refining	Lawrenceville, Ill.	55,000	125,000	2/87	8/90
Total U.S. Reactivated		**78,500**	**131,000**		
Arochem International	Ponce, PR	80,000	0	7/83	2/90
Peerless Oil & Chemical	Ponce, PR	8,800	0	8/82	2/90
Total Puerto Rico Reactivated		**88,800**	**0**		

Refinery Shutdowns in 1990

Refinery	Location	Total Atmospheric Crude Oil Distillation Capacity (b/cd)	Total Downstream Charge Capacity (b/sd)	Date Shut Down
Eagle Refining	Jackson, Texas	1,800	1,800	10/90
Gibson Oil & Refining	Bakersfield, Calif.	9,600	0	12/90
Imron Refining Inc.	San Leon, Texas	7,000	0	8/90
Phoenix Refining Co.	St. Mary's W. Va.	19,200	4,200	1/91
Sabine Resources Group	Stonewall, La.	10,000	0	12/90
Vulcan Refining	Cordova, Ala.	9,500	5,000	12/90
Total U.S. Shut Down		**57,100**	**11,000**	

Refinery Sales in 1990

Former Owner	Location	Capacity (b/cd)	Total Atmospheric Crude Oil Distillation New Owner	Date of Sale
Calcasieu Refining	Lake Charles, La.	13,500	Transworld Oil USA, Inc.	8/90
Gary-Williams Energy Corp./ Western Slope Refining Co.	Fruita, Calif.	15,200	Landmark Petroleum, Inc.	12/90
Quaker State Oil Refining	Bradford, Pa.	6,700	U.S. Petroleum Corp./ Petrowax Pennsylvania, Inc.	5/90
Sargent Holdings	Santa Fe Springs, Calif.	45,000	Powerine Oil Co.	6/90

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b/cd = barrels per calendar day
b/sd = barrels per stream day
Source: Energy Information Administration, Petroleum Supply Annual 1990, Vol. 1, Tables 46 and 47, May 1991.

Fewer Refineries, But More Capacity in 1990

The total number of refineries operating in the United States dropped slightly at the beginning of 1991, but this had no consequential impact on the petroleum industry's operable refinery capacity, which actually edged up by approximately 104,000 b/d.

According to the Energy Information Administration (EIA), there was a total of 202 operating plants in the United States as of Jan. 1, 1991, three less than in the number of operating plants in the year earlier period. Six refineries were completely shut down in 1990, and three were reactivated.

Utilization rates for operable capacity averaged 87.1% in 1990, up from 86.3% during the prior year, EIA reports. Gross inputs to crude distillation units increased 0.4% from the previous year to approximately 13.6-million b/d. Idle capacity was down to 12.9% and excess volume declined to slightly under 2-million b/d, according EIA.

Operable Refineries

(As of January 1 of each year)

Year	No. of refineries	Change from preceding year	Operable Capacity	Change from preceding year
1991	202	-3	15,676	+104
1990	205	+1	15,572	-83
1989	204	-9	15,655	-251
1988	213	-6	15,916	+350
1987	219	+3	15,566	+107
1986	216	-7	15,459	-200
1985	223	-24	15,659	-478
1984	247	-11	16,137	-722
1983	258	-43	16,859	-1,030
1982	301	-23	17,890	-731
1981	324	+5	18,621	+632
1980	319	+8	17,989	+547

Source: Energy Information Administration, Petroleum Supply Annual 1990, Vol. 1, Table FE1, May 1991.

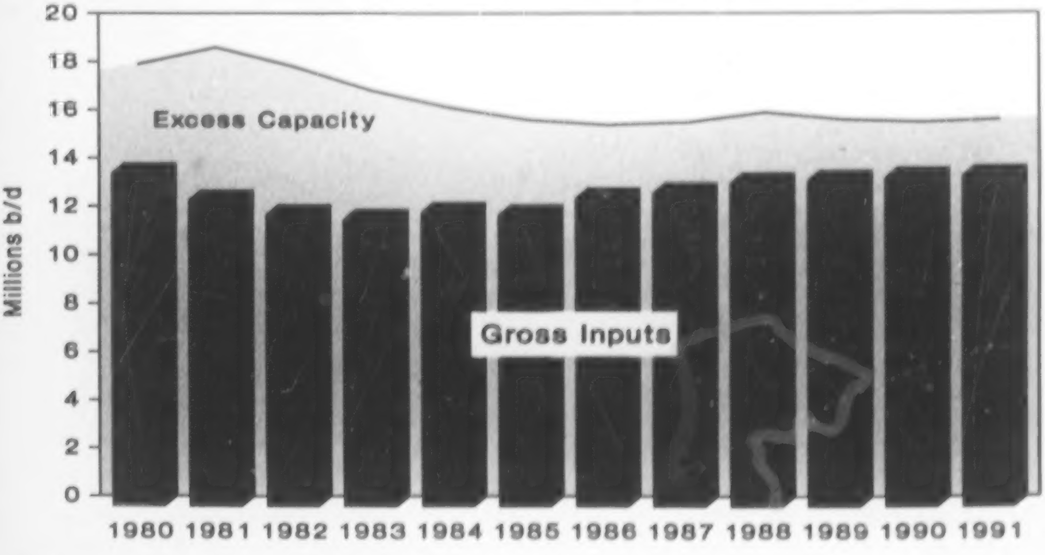
Inputs and Utilization

(Average for calendar year)

Year	Gross Input	Percent Utilized	Percent Idle	Excess Volume
1990(a)(b)	13,600	87.1%	12.9%	1,972
1989(b)	13,563	86.3	13.7	2,092
1988	13,477	84.4	15.6	2,459
1987	13,003	83.1	16.9	2,690
1986	12,826	83.0	17.0	2,633
1985	12,165	77.6	22.6	3,494
1984	12,216	76.2	23.8	3,921
1983	11,947	71.7	28.3	4,912
1982	12,172	69.8	30.2	5,718
1981	12,751	68.5	31.5	5,870
1980	13,834	76.9	23.1	4,153

(a) 1991 data not available.
(b) Revised.
Source: Energy Information Administration, Petroleum Supply Annual 1990, Vol. 1, May 1991.

Gross Inputs and Excess Capacity



Source: Energy Information Administration, Annual Energy Review, 1986 (1980-1986); Petroleum Supply Annual 1990, Vol. 1, May 1991 (1987-1991).

Shell Storage Capacity, 1990 (a)

(000 bbl.)

		Gasoline			Fuel Oil				
	Crude Oil	Finished Leaded	Finished Unleaded	Blending Components	Middle Distillates	Residual Fuel Oil	Asphalt and Road Oil	Total Products (b)	Total Crude Oil and Products
PAD District 1									
New Jersey	9,115	61	9,422	5,578	13,834	5,140	1,986	47,931	57,046
Pennsylvania	10,840	379	4,143	3,541	4,272	2,309	1,691	29,703	40,543
Other States (c)	5,848	41	5,776	2,234	9,172	4,328	1,965	29,379	35,227
Total	25,803	481	19,341	11,353	27,278	11,777	5,642	107,013	132,816
PAD District 2									
Illinois	7,978	290	6,886	5,088	5,964	1,766	1,919	39,945	47,923
Indiana	2,892	253	4,990	3,105	4,073	1,537	1,517	25,940	28,832
Kansas	2,725	1,701	3,196	1,639	3,431	398	1,141	19,913	22,638
Ohio	3,757	385	2,252	2,923	1,836	421	829	15,440	19,197
Oklahoma	3,722	1,289	2,991	2,498	3,411	298	1,646	22,151	25,873
Other States (c)	6,945	352	5,071	3,419	6,396	1,767	5,099	31,630	38,575
Total	28,019	4,270	25,386	18,672	25,111	6,187	12,151	155,019	183,038
PAD District 3									
Alabama	2,279	91	680	305	930	520	665	4,780	7,059
Arkansas	2,022	0	420	109	518	82	632	2,493	4,515
Louisiana	29,659	171	8,732	11,406	15,502	7,217	1,649	89,708	119,367
Mississippi	5,921	0	2,600	2,071	3,578	846	1,068	17,699	23,620
New Mexico	990	126	343	575	531	89	429	3,913	4,903
Texas	56,055	1,085	27,256	22,267	23,323	11,503	3,294	220,276	276,331
Total	96,926	1,473	40,031	36,733	44,382	20,257	7,737	338,869	435,795
PAD District 4									
Colorado	718	296	513	592	535	480	478	4,010	4,728
Montana	1,519	511	795	1,851	1,005	172	1,933	8,355	9,874
Utah	1,472	343	763	1,256	997	204	508	6,045	7,517
Wyoming	973	592	911	1,482	1,682	825	1,547	8,470	9,443
Total	4,682	1,742	2,982	5,181	4,219	1,681	4,466	26,880	31,562
PAD District 5									
Alaska	1,132	115	345	355	802	1,168	89	3,841	4,973
California	32,125	2,713	10,295	13,689	8,281	10,403	3,373	101,912	134,037
Washington	8,620	1,032	1,664	2,613	2,357	1,499	351	16,338	24,958
Other States (c)	3,928	9	437	701	553	1,615	758	5,864	9,792
Total	45,805	3,869	12,741	17,358	11,993	14,685	4,571	127,955	173,760
U.S. Total	**201,235**	**11,835**	**100,481**	**89,297**	**112,983**	**54,587**	**34,567**	**755,736**	**956,971(d)**

Working Storage Capacity, 1990 (a)

(000 bbl.)

		Gasoline			Fuel Oil				
	Crude Oil	Finished Leaded	Finished Unleaded	Blending Components	Middle Distillates	Residual Fuel Oil	Asphalt and Road Oil	Total Products (b)	Total Crude Oil and Products
PAD District 1									
New Jersey	7,898	57	7,980	4,744	12,500	4,240	1,776	41,726	49,624
Pennsylvania	9,463	324	3,619	3,096	3,805	2,076	1,493	26,575	36,038
Other States (c)	5,125	36	5,001	2,003	6,717	3,883	1,860	24,888	30,013
Total	22,486	417	16,600	9,843	23,022	10,199	5,129	93,189	115,675
PAD District 2									
Illinois	7,077	283	6,058	4,590	5,553	1,636	1,812	35,976	43,053
Indiana	2,426	224	4,000	2,586	3,666	1,410	1,332	22,714	25,140
Kansas	2,506	1,618	2,911	1,464	3,236	364	1,086	18,504	21,010
Ohio	3,346	310	1,898	2,438	1,660	324	769	13,568	16,914
Oklahoma	3,186	1,126	2,687	2,355	3,117	268	1,478	19,995	23,181
Other States (c)	6,233	322	4,638	3,127	6,067	1,649	4,697	29,292	35,525
Total	24,774	3,883	22,192	16,560	23,299	5,651	11,174	140,049	164,823
PAD District 3									
Alabama	1,911	91	580	288	804	406	543	4,049	5,960
Arkansas	1,747	0	379	98	467	74	577	2,255	4,002
Louisiana	23,647	146	7,326	9,109	13,161	6,200	1,404	76,195	99,842
Mississippi	5,246	0	2,402	1,968	3,305	795	913	16,320	21,566
New Mexico	877	117	302	525	477	82	418	3,446	4,323
Texas	47,255	925	23,924	19,613	21,144	10,329	3,019	194,163	241,418
Total	80,683	1,279	34,913	31,601	39,358	17,886	6,874	296,428	377,111
PAD District 4									
Colorado	688	273	472	542	508	457	463	3,759	4,447
Montana	1,283	431	697	1,636	930	156	1,767	7,485	8,768
Utah	1,263	308	649	1,128	930	188	498	5,483	6,746
Wyoming	917	545	839	1,375	1,597	787	1,510	7,995	8,912
Total	4,151	1,557	2,657	4,681	3,965	1,588	4,238	24,722	28,873
PAD District 5									
Alaska	1,065	108	326	334	767	1,119	86	3,655	4,720
California	27,027	2,273	8,876	12,003	7,367	9,168	3,041	90,649	117,676
Washington	7,748	947	1,494	2,350	2,166	1,388	339	14,823	22,571
Other States (c)	3,432	8	412	655	515	1,534	722	5,512	8,944
Total	39,272	3,336	11,108	15,342	10,815	13,209	4,188	114,639	153,911
U.S. Total	**171,366**	**10,472**	**87,470**	**78,027**	**100,459**	**48,533**	**31,603**	**669,027**	**840,393(e)**

(a) Shell Storage Capacity–design capacity of the tank; Working Storage Capacity–difference in volume between the maximum safe fill capacity and tank bottom. (b) All other products include ethane, isobutane, pentanes, plus other hydrocarbons, hydrogen, alcohol, unfinished oils, finished aviation gasoline, special naphthas, wax, petroleum coke, still gas, petrochemical feedstocks and miscellaneous products. (c) Other states include: **Pad Dist. 1:** Connecticut, Delaware, Florida, Georgia, Maryland, Massachusetts, New York, North Carolina, Virginia, West Virginia; **Pad Dist. 2:** Kentucky, Michigan, Minnesota, Missouri, North Dakota, Tennessee, Wisconsin; **Pad Dist. 5:** Arizona, Hawaii, Nevada, Oregon. (d) Includes 21,574 thousand bbl. of storage capacity at shutdown refineries and shutdown gasoline blending plants, and 46,747 thousand bbl. of stor. cap. at operating gasoline blending plants. (e) Includes 19,071 thousand bbl. of stor. cap. at shutdown refineries and shutdown gasoline blending plants, and 40,966 thousand bbl. of storage capacity at operating gasoline blending plants.

Source: Energy Information Administration, Petroleum Supply Annual 1990, Vol. 1, Table 43, May 1991.